Hospital & Homecare

Hospital & Home Care I/E. Co.,Ltd.

Catalogue: 7



X-ray unit

Patient monitor





Ultrasound



Incubator

Electrocardiograph










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PORTABLE X-RAY UNIT(10mA)



MG1

Features:
Shock-proof,radiation-proof,fixed anode,self-rectified,composed head,steady performance,easy operation,slinky sculpt and easy carrying.
Specifications:
Max fluoroscopy:75kVp 3-5mA(uncontinuous use)
Recommend fluoroscopy condition:65kVp 3mA
Max radiography:75kVp 10mA 6sec(pause 3min)
Power supply:AC220V ± 10%,50Hz,1kVA
Power current:2A(uncontinuous fluoroscopy)
6A(instantaneous radiography)
Range of movement:vertical;220mm,horizontal:130mm
Tube turning angle:vertical 360°,horizontal 320°
Size of screen:203mmx254mm
Measurement:50cmx31cmx18cm
Weight:25kg



X-RAY UNIT FOR MAMMOGRAPHY (30mA)



MG2

General:
1.It is used to diagnose early mamma pathological changes.
2.Using the Mo. target X-ray tube can show the pathological changes details.
3.A nipple areola cuticles fat galactophore canals glandular tissue connective tissue and blood vessels can be seen in the picture.
4.It has high correctness for distinguishing benign tumor and malignant tumor.
5.It can be moved to ward to photograph beside bed.
6.The unit can also be used to find foreign matters in human body and to do nondestructive inspection of right metal and nonmetal materials.
Main Technical Parameter:
X-ray generator:Stationary anode,single focus and bridge rectification
Max rated capacity:Current:30mA,Voltage:34kVp,Time:2s
Power supply:Voltage:180-240V,Frequency:50Hz,Power:not lower than 1.3kVA
Range of the timer:0.4-2s
Film size:127mmx178mm
The movement of camera head mounting:Vertical:630mm;rotation:±180°,Adapt to different part of human
The camera head mounting horizontal range:160mm
Rotating angle of the module of the camera head mounting and the pole:180°
Specification of X-ray tube/focal spot value:Model XD7-1.05/35 Stationary anode,focus 1mm
Transport dimension(LxWxH)mm:1010x760x2040
Weight(kg):Net:121/Gross:195

MOBILE X-RAY UNIT (30mA)



MG3

General:
1.Used in ward and emergency treatment room for fluoroscopy and radiography.
2.Combined X-ray generator.
3.Single focus,full ware rectification.
4.It is precise,safe,reliable and flexible.
5.Remote control device(control range ⩾ 5m) is used.
Main Technical Parameter:
X-ray generator:Stationary anode,single focus and bridge rectification,The X-ray generator is an oil-immersed self-cooled unit.
Max rated capacity:85kVp,30mA
Power supply:Voltage:180-240V,Frequency:50Hz,Power:not lower than 3kVA,Resistance:not larger than 0.7Ω
Voltage adjustment range of x-ray tube:50-85kVp,divided into 8 steps
Range of the timer:0.2-10s
Fluorescent screen size:280mmx350mm
Distance between the focus to the screen:700mm
Tube head carriage movement range:vertical:1100mm,horizontal:160mm
The rotation angle of tube head carriage:90°,
The rotation angle of the controller and the accessory case:80°
Specification of X-ray tube:Model XD1-3/100 fixed anode,single focus 2.3mm
Transport dimension(LxWxH)mm:1650x880x600
Weight(kg):Net:98/Gross:164

MOBILE X-RAY UNIT (30mA) LIQUID CRYSTAL DISPLAY



MG4

General:
1.Used in ward and emergency treatment room for fluoroscopy and radiography.
2.Combined X-ray generator.
3.Single focus,full wave rectification.
4.Single-chip microcomputer controls and convenient service.
5.Liquid crystal display and error can be automatic warned.
6.Remote control exposure device.
Main Technical Parameter:
Max rated capacity:85kVp,30mA
Power supply:Voltage:180-240V(Single),Frequency:50Hz,Current:Fluoroscopy 3A(Continuous),Radiography 16A(Instantaneous),Internal resistance of power supply wire: ⩽ 0.7Ω
Max. Rated capacity:85kVp,320mAs
Nominal Power:3kW
Size of fluorescent screen:280mmx350mm
X-ray tube Specification:;Model XD1-3/100 fixed anode,single focus 2.3mm
Distance between focus to screen:620mm
Mobile distance of carrier:850mm
Transport dimension(LxWxH)(mm):1490x890x2080
Weight(kg):Net:144/Gross:227

BEDSIDE X-RAY CAMERA (50mA)



MG5

General:
1.Used in ward and emergency treatment room for radiography.
2.Combined X-ray generator.
3.Single focus,bridge rectification.
4.It is precise,safe,reliable and flexible.
5.Remote control device(control range ⩾ 5m) is used.
Main Technical Parameter:
X-ray generator:Stationary anode,single focus and bridge silicon rectification,The X-ray generator is an oil-immersed self-cooled unit.
Max rated capacity:Current:50mA 30mA
Voltage:90kVp 90kVp
Time: 2s 6.3s
Power supply:Voltage:180-240V
Frequency:50Hz
Power:not lower than 5kVA
Resistance:not larger than 1Ω
Voltage adjustment range of x-ray tube:45-90kVp,divided into 10 steps
Range of the timer:0.08-6.3s
Distance between the focus to the ground:600-1630mm
X-ray tube:Longitudinal movement 240mm;Transverse rotation 60°
Specification of X-ray tube:Model XD3-3.5/100 fixed anode,single focus 2.6mm
Transport dimension(LxWxH)mm:1040x755x2050
Weight(kg):Net:127/Gross:205

BEDSIDE X-RAY UNIT (50mA)



MG6

General:
1.Can be used in ward and emergency treatment room for fluoroscopy and radiography.
2.Combined X-ray generator.
3.Single focus,bridge rectification.
4.It is precise,safe,reliable and flexible.
5.Remote control device(control range ⩾ 5m) is used.
Main Technical Parameter:
X-ray generator:Stationary anode,single focus and bridge silicon rectification,The X-ray generator is an oil-immersed self-cooled unit.
Max rated capacity:Fluoroscopy:75kVp,3mA
Radiography:90kVp,50mA
Power supply:Voltage:180-240V
Frequency:50Hz
Power:not lower than 3.5kVA
Resistance:not larger than 1Ω
Voltage adjustment range of x-ray tube:45-90kVp,divided into 10 steps
Range of the timer:0.08-6.3s
Fluorescent screen size:280x350mm
Distance between the focus to the screen:620mm
Tube head carriage movement range:vertical:950mm
horizontal:160mm
X-ray tube focus transverse rotation: ± 60°,
Specification of X-ray tube:Model XD3-3.5/100 fixed anode,single focus 2.6mm
Transport dimension(LxWxH)mm:1175x870x2050
Weight(kg):Net:150/Gross:244

X-RAY UNIT (50mA)



MG7

This x-ray unit adopts high voltage silicon fullwave retifying techniligh,Compared with half-wave selfrectise x-ray unit,it has higher efficiency of the x-ray tube lower power supply requirement and better rexolution.It's electricity consumption is only 2/3 of the halfwave unit which has the shortcomings of high reverse peak voltage.
This x-ray unit posses light and audio double indication systems for fluoroscopy,which gives the operators and patients more convenienct and flexibility.
The x-ray unit had the x-ray tube capacity protective indicating devices.When the capacity is over the highest,the exposure doesn't take place so as to avoid the x-ray tube's damages in case of the wrong operation during the fluoroscopy.
The x-ray unit is equipped with a foldable fluorscopy screen,while performing bedside fluoroscopies the arm of the x-ray tube can robate 90°.
This x-ray unit with a light mobile cart can be easily brought into wards by the operators for use.
The x-ray unit also has remote control for exposure.
During radiography,operators can use either hand control or remote control accrding to the requirements of doctors.
Technical data
1.The unit is of single-focus,wholewaverectifying,oil-immersed,self-cooing, mobile diagnostic-x-ray unit.
2.Maximum rating
3.Power supply voltage:180-250V frequency:50Hz power Line ohm ⩽ 1.0 Ω Fluoroscopy<3Acontinuous Radiography<20A instant
4.Time 0.1-6.3s 19 step electron type
5.X-ray tube Foucs 2.3x2.3
6.Size of screen 340x340mm
7.Distance of focal spot from screen 680mm
8.Moving range of screen>800mm lateral 160mm
9.Maximum height of focal spot from floor>1880mm
10.Minimun height of focal spot from floor<280mm
11.The net weight of the unit:160kg

DIAGNOSTIC X-RAY UNIT (50mA)



MG8

Features:
Shock-proof,radiation-proof,fixed anode,whole-rectified,composed head and have both remote control and handle control,dependable brake,stable performance,easy operation,graceful model and easy movement.
Specifications:
Power supply:220V ± 10%,50Hz,4kVA
Out power:3kW
Tube voltage:40-90kVp
Tube current:15mA(50kV-90kV),30mA(50kV-90kV),50mA(40kV-80kV)
Exposure time:0.1-6.3sec(15mA 30mA),0.1-1.5sec(50mA)
Operational method:handle control/remote control
Safety:Class 1 Type B

X-RAY UNIT (70mA)



MG9

This X-ray unit is mobile full-wave x-ray unit.It can perform general radiography and ward radiography.This x-ray unit adopts high voltage silicon full wave commuting technic.Compared with half-wave commuting x-ray unit,it has higher efficiency of the x-ray tube lower power supply requirement and better resolution.It's electricity consumption is only 2/3 of the half-wave unit which had the shortcomings of high reverse peak voltage.It posses light and audio double indication systems for radiography,which gives the operators and patients more convenience and flexibility.It had the x-ray tube capacity protective indicating devices.When the capacity is over the highest,the exposure doesn't take place so as to avoid the x-ray tube's damages in case of the wrong operation during the radiography.It is equipped with a foldable fluoroscopy screen. While performing bedside radiography the arm of the x-ray tube can circumgyrate 90.This x-ray unit with a light mobile cart can be easily brought into wards by the operators for use.It also has remote control for exposure.During radiography,operators can use either hand control or remote control according to the requirements of doctors.

Main Technical Data:

1.The unit is of single-focus,whole-wave commuting,oil-innersed,self-cooling,mobile diagnostic-X-ray unit.

2.Maximum ratings

Current(mA)	Voltagec(kVp)	Exposure time(second)
30	90	0.063-5.0
50	90	0.063-1.0
50	80	0.063-2.5
70	70	0.063-1.0

3.Power supply:Voltage:180-250V,Frequency:50Hz,Power line ohm= 0.8Ω
Rating:5.5kVA,Current<24A(instant)

4.Timer 0.063-5.0s 20 step electron type

5.X-ray tube focus 2.6mm

6.Maxim height of focal spot from floor >1820mm

7.Minimum height of focal spot from floor <550mm

8.Collimator:Maximum film size at 650mm,Focal distance: 350×350mm

9.Unit moving force:< 5kg,the net weight of the unit:95kg

MOBILE X-RAY UNIT (100mA)



MG10

General:

1.Used in ward and emergency treatment room for radiography.

2.Combined X-ray generator.

3.Single focus,bridge rectification.

4.It is precise,safe,reliable and flexible.

5.Remote control device(control range ⩾ 5m) is used.

Main Technical Parameter:

X-ray generator:Stationary anode,single focus and bridge silicon rectification,The X-ray generator is an oil-immersed self-cooled unit.

Max rated capacity:	Current:	15mA	30mA	60mA	100mA
	Voltage:	90kvp	90kvp	90kvp	80kvp
	Time:	6.3s	6.3s	4.0s	3.2s

Power supply:Voltage:180-240V,Frequency:50Hz,Powrer:not lower than 7kVA,Resistance:not larger than 1Ω

Voltage adjustment range of x-ray tube:50-90kVp

Range of the timer:0.08-6.3s

Distance between the focus to the ground:700-1780mm

X-ray tube focus transverse rotation: ± 60°,

Specification of X-ray tube:Model XD4 2.9/100 fixed anode,single focus 1.8/4.3mm

Transport dimension(LxWxH)mm:1230x900x2050

Weight(kg):Net:159/Gross:256

MEDICAL DIAGNOSTIC X-RAY RADIOGRAPHY(100mA)



MG11

USE:General Photograpy,Filte-ray device photograpy
MAIN TECHNICAL PARAMETER:
1. Single bed with single tube
2. Design according to the electric mechanism of middle-size machine, with complete and reasonable function.
3. High-voltage system is of split structure, with high-voltage generator of full-wave rectification, independent X-ray tube unit, large output power and reliable and stable operation.
4. Power voltage(V),photograph kilovolt(kV) and infinitely variable control.
5. Be equipped with the manostat for the filament of X-ray tube and space charge complementor to ensure the stable and exact output.
6. Be equipped with capacity limit potective circuit ---kV mA s interlock limit protection.
7. The timer circuit grades according to R10 priority comfficient has an exact time control.
8. The photographic flat bed has a vibrating ray-filter.
9. The pillar has only the bottom track, with easy installation.

MEDICAL DIAGNOSTIC X-RAY UNIT(100mA)



MG12

MAIN TECHNICAL PARAMETER
X-ray generator:Stationary anode, double focus, and bridge silicon rectification,The X-ray generator is an oil-immersed self-cooled unit.
Max rated capability:

Fluoroscopy			75kVp,3mA		
Radiography	Current	15 mA	30 mA	60 mA	100 mA
	Voltage	90 kVp	90 kVp	90 kVp	80 kVp
	Time	6.3s	6.3s	4.0s	3.2s
Power supply:	Voltage:180-240V				
	Frequency:50Hz				
	Power:7kVA(not lower than 7kVA)				
	Resistance:1Ω(not larger than 1Ω)				

Voltage adjustment range of x-ray tube:45-90kVp (continuous)
Range of the timer:0.08-6.3 s
Fluorescent screen size:356 mm×356 mm
Distance between the focus to the screen:830 mm(max),630 mm (min)
Tube head carriage movement range: (vertical): 1100 mm,
(horizontal): 260 mm
Specification of X-ray tube:XD4-2.9/100, 1.8mm×1.8mm/4.3mm×4.3mm,
Stationary anode,double focus
Collimator:Field coverage at 100 cm FFD,45×45 cm max,0×0 cm min
Movement of the tabletop:400 mm
Field size of spot film device: 127mm×178mm (one piece)
203mm×254mm (one piece)
1/2(127mm×178 mm) (two pieces)
Transport dimension,Weight:234×100×123(cm),(NET)410kg/(GROSS)535kg

DIAGNOSTIC X-RAY UNIT (125mA)



MG13

Features:
With high frequency inversion,x-ray of high quality,low dose emission on skin,excellent pictures.
Apply techniques of KV,mAs digital closed loop control and micro-processing real-time control to ensure precision and repeatability of the dose.
With KV,mAs two button adjustment,LCD display.
50 set exposure programs and allows the user to modity and store them.
Apply high-quality knockdown unit head.
Apply symmetrical adjustable beam applicator,shooting more convenient and exact.

Specifications:
Power supply:220V ± 10%,50Hz,inner-resistance ⩽ 1.0 Ω
Out power:3.5kW
Tube voltage:40-110kVp(interval 1kVp)
Tube current:20,32,36,40,45,56,63mA
Operational method:Wire/Wireless control
Frequency:40KHz
X-ray tube:Fixed anode,Focus 1.5(X-ray tube for high frequency)
mAs:1.0-125mAs(45steps)

MOBILE C-ARM X-RAY UNIT (160mA)



MG14

Standard configuration:
1.Unit body(including C-arm) 1 set
2.Generator 1 set
3.6"I.I. 1 set
4.High definition CCD(including image processing system) 1 set
5.14" high-difinition monitor 2 sets
6.Monitor cart 1 set
Feature:
Mobile stand,C-arm structure,easy movement.
Microprocessor control and digital display,easy operation and maintenance.
High frequency inversion technology and high quaility TV system are engaged with excellent density step and contrast degree.
Auto.IBS 7 frames storage,LIH,image comparison on one screen.
Technical Specification:
1.High frequency generator:1.6kW
2.Radiographic kV:40-90
3.Radiographic mAs:5-160
4.Fluoro.kV:40-90
5.Fluoro.mA:0.3-3
6.Focus size:2.3mm
7.SID: ⩾ 800mm
8.Treatment space: ⩾ 600mm
9.Image internsifier:6"
10.Camera:CCD
11.Monitor:14" high definition medical monitor
12.Power supply:220V,50Hz,inner resistance<1 Ω
13.Power capacity: ⩾ 2kVA



Swing left/right: ± 12.5˚



Vertical movemetn(motor):400m



Sliding:-25˚ -+90˚



Longitudinal movement:200mm



Rotation: ± 180˚

MULTI-FUNCTION DIAGNOSIS X-RAY SYSTEM (200mA)



MG15 diagnostic table



Bucky table



chest stand(option)



Model MG15c control console

Model MG15a Model MG13b control console

Application:
These diagnostic X-ray system consists of the control console,high tension generator,electric controlled diagnostic table,bucky table,over table X-ray tube,under table X-ray tube,collimator,linear tomography device(option),etc.It is designed for fluroscopy,gastro-intestinal examination,general radiography,bucky radiography,linear tomography(option),chest stand radiography(option),etc.

Features:
1.The diagnostic table is inner balanced designed and with perfect appearance.
2.Model X17D Bucky table is new designed and without the triditional ceiling and floor rails,it is easy for installation and operation.
3.With protective devices for X-ray tube capacity and rotaing anode starting.
4.The tube voltage and power voltage of console are automatically and continuously adjustable,and tube voltage,tube current,radiographic time are displayed by LED's.(Model XG200D only)

ITEM		MG15a	MG15b	MG15c
High tension generator	Maximum output voltage	100kVp	125kVp	125kVp
	Maximum output current	200mA	200mA	200mA
Main unit	Fluoroscopy	50~100kV 0.5~5mA	50~110kV 0.5~5mA	50~110kV 0.2~5mA
	Radiograhy	50~100kVp 0.04~6.3s/23 steps	50~125 kVp 0.04~6.3s / 23 steps	
X-ray tube	over table X-ray tube	Small focus 1X1mm 20 kW large focus 2X2 mm 40 kW Maximum output voltage 125kVp (MG15a 100kVp)		
	Under table X-ray tube	Small focus1X1mm 20 kW large focus 2X2 mm 40 kW Maximum output voltage 110 kVp (MG15a 100kVp)		
Electric controlled diagnostic table	Rotation of the table	+90°~0°~-10°		
	Tabletop movement range	800 mm		
	Tabletop height	800 mm		
	Spotfilm device	Longitudinal movement 500 mm, transverse movement ±90 mm, compression 300 mm		
	Grid	Scale 14" ×14" Density 40 Ratio 10:1 Focus distance 800 mm		
	Film format	whole film 5" ×7" ,8" ×10" ,10" ×12" ,11" ×14" 1/2 film 5" ×7" ,8" ×10" ,10" ×12" 1/4 fim 8" ×10"		
Bucky table	Tabletop height	700 mm		
	Tabletop movement range	900 mm		
	Cassette tray movement range	⩾700 mm		
	SID	1180 mm		
	Tube rotating around Y axis	-20°~ +120°		
	Tube arm movement range	180 mm		
	Tube stand movement range	1500 mm		
Power supply	AC 220 V or 380 V ± 10% Frequency 50Hz ± 1% Capacity⩾20kW			

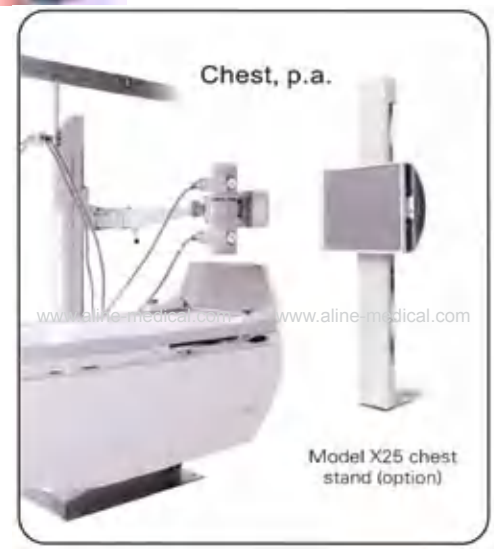
MULTI-FUNCTION DIAGNOSIS X-RAY SYSTEM (200mA)





MG16

Motor-tilting diagnostic table	Tilting +90° -0°- -5° (moter driven)
	Tabletop height 800 mm
Film format	Survey (5" x 7"), (8" x10") (10" x12"), (11" x 14")
	2division (5" x 7"), (8" x10") (10" x 12")
	4division (8" x 10")
	Grid (Stationary type) inside the spotfilm device Density: 40LP/mm, Ratio: 10:1 focus distance: 800mm
	Spot film device shift (Horizontal) 500 mm (manually)
	Lateral ±90 mm (manually)
	Compression direction 300 mm (manually)
Tube stand	Vertical travelling range of the tube unit 500~1950 mm
	Max. focus film distance 1230 mm
	Horizontal travelling range of the tube unit 870~1170 mm
	Swivelling of the tube unit:around the axis of the arm ±90°
	Around the axis of the column ±90°
	Self-revolving (upwards) >90°
	Travellingrange 3460 mm
	Ceiling Height 2500~3050 mm
Overtable tube radiography	Power (small focus) 20kW, (large focus) 40kW
	Focus 1 x1mm, 2 x 2 mm
	Max. tube current 200 mA
	Max. tube voltage 100kV
	Exposure time 0.04~6.3s
Fruoros copy and spot film radiography (with undertable tube)	Power (small focus) 20kW, (large focus) 40kW
	Focus 1x1mm, 2 x 2 mm
	Fluo. current 0~5 mA
	Fluo. voltage 50 ~100 kVp
	Fluo. time (continuously)
	Tube current for spot film radiography 160 mA (fixed)
	Tube voltage for spot film radiography 50~90 kVp
	Exposure time 0.04~1.2s
Power	Voltage 220V ± 10%, 380V ± 10%, (Frequency) 50Hz,
	Capacity >20 kVA





The column could be rotated easily.

MG16 diagnostic x-ray system consists of the control console,high tension generator,electric controlled diagnostic table,x-ray tube,collimator,linear tomography device(option),etc.It is designed for fluroscopy,gastrointestinal examination,general radiography,bucky radiography,linear tomography(option),chest stand radiography(option),etc.

Feature:

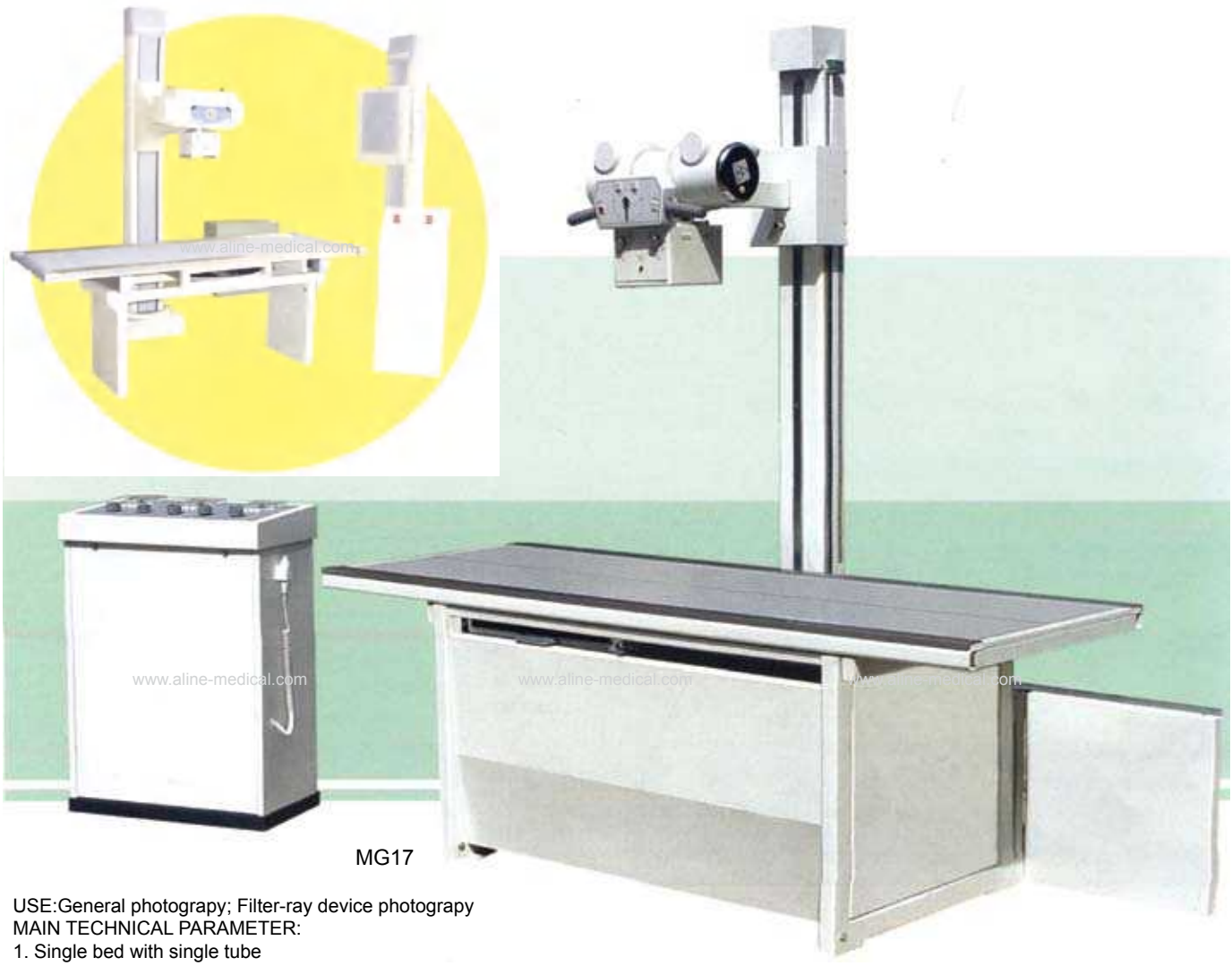
The tue voltage,tube current,radiographic time are accurated meter indicated.

The diagnostic table is inner balanced desighed and with perfect appearance.

With interlocked protective devices for the x-ray tube capacity and rotating anode starting.

The single phase,full wave rectification technique is adopted in the high tension generator.

MEDICAL DIAGNOSTIC X-RAY MACHINE(200mA)



MG17

USE:General photograpy; Filter-ray device photograpy

MAIN TECHNICAL PARAMETER:

1. Single bed with single tube
2. Rotary anode X-ray tube unit tangential annular tubes
3. Single-phase full-wave rectification high-voltage generator
4. Power volage(V) photograph kilovolt(kV),infinitely variable control and electric mechanism
5. Be equipped with the manostat for the filament of X-ray tube and space charge complementor
6. Photographic volume, kV, mA and s, subsection, grading and interlock protection
7. Adopt the digital circuit timer. Grading according to R10 pririty coefficient, which is exact in time control.
8. High-voltage primary uses the zero controlled circuit of silicon-controlled rectifier of large power
9. Photographic bed can move in length and breadth.
10. The photographic bed, pillar and vibrating ray-filter are in a whole without top and bottom track.

RADIOGRAPHY & FLUOROSCOPY DIAGNOSTIC X-RAY SYSTEM (500mA)



MG18







The Efficiency of Multi-function Image

Feature:

1.This system is which we called two-table two-tube system for the conveniece seperating use of radiography and fluoroscopy.

2.X-ray tube voltage of both radiography and fluoroscopy can be adjusted continuously,the voltage,current,exposure time of radiography are digital displayed.

3.With special 10"x12" "田"format for the gastrointestinal radiography.

4.With the automatic brightness control function for fluoroscopy(F.ABC).

5.With last image hold.7 images storage 2,4,8 steps noise decrease.

6.Anatomic programming radiography setting with 120 steps.

7.With all kinds of the protecting devices and self-testing devices.

Standard Configuration — X956D Control Console — Image Internsifier and TV system

X62-II High Tension Generator — X708C Diagnostic Table — FB.GT22 X-ray Tube — XB887 Collimator

X17F Bucky Table — X122 X-ray Tube — XB886 Collimator

Option — X25 Bucky Stand

High Tension Generator	Maximum output current 500mA, maximum output voltage 125kVp.	
	Fluoroscopy	50 ~ 110kVp Automatically adjustable
	Radiography	50 ~ 125kVp Continuously adjustable, 50 ~ 500mA 6 steps,0.02 ~ 6.3s 24 steps.
X-ray tube	Overtable tube	1 × 1mm small focus 30kW, 2 × 2mm large focus 50kW, maximum tube voltage125kV.
	Undertable tube	1 × 1mm small focus 20kW, 2 × 2mm large focus 40kW, maximum tube voltage125kV.
Diagnostic table	Table rotation	+90° (upright) ~ −15° (trendelenburg tilt), longitudinal movement 600mm, height 840mm.
	Spot Film device	longitudinal movement 600mm, transverse movement ±90mm, compressor adjusting 300mm.
	Grid	14" × 14" , resolution: 40LP/cm ratio: 10:1 focus: 800mm.
	Film Format	8" x10" Whole film, 1/2film division
		10" x12" Whole film, 1/2film, 1/3film, 1/4film division
		11" x14" Whole film, 1/3film division
		14" x14" Whole film
Image Intensifier	9" three-field	
TV system	Resolution ≥ 12Lp / cm, gray scale ≥ 9, monitor 14"	
Input line	3 phase 380 V ± 10%, 50 Hz ± 1%, 40 kVA	

MICROPROCESSOR CONTROLLED MEDICAL DIAGNOSTIC X-RAY UNIT(500mA)







1.Technique selection
2.Anatomical exposure selection
3.Bucky radiography and IBS
4.Error code display
5.Power on/off

MG19

Power supply	Voltage: 380V AC single phase Capacity: 50kVA Frequency:50Hz Inner resistance: 0.3Ω
Fluoroscopy	0.5~5mA 40~110kV Continually adjustment
Radiography	Tube voltage: 44~125kV adjustable by 44 steps Tube current: 30~500mA adjustable by steps Exposure time:0.02~5s adjustable by 23 steps
Diagnostic table	Tilting range of table: +90° ~0° ~-15° Spot film device: two division, four division radiography
X-ray tube stand	Linear and tilting radiography
Radiographic table	Tabletop movement: longitudinal / transverse Lock mode electromagnetic lock Bucky (oscillating type) Density N40 Focal Distance f.100 Ratio r8
X-ray tube assembly	XD51-20.40/125 XD52-30.50/125
Tomographic attachment	optional
Vertical bucky stand	optional

Automatic and manual control programs:
Programmable radiographic functions,provides 90 memory programs for radiography.The parameters can also be selected manually.
X-ray tube protection:
X-ray tube heat capacity and load capacity are managed and protected by computer programs,to allow maximum utilization of the tube capacity and radiographic parameters.
Anatomical exposure selection:
Exposure parameters can be set based on patient size and exposure position. The parameters can also be corrected and stored.
Safety function:
The error self-diagnosis function can determine problems quickly and accurately. It can execute protection automatically and display error code.
Standard Configuration:
500mA microprocessor controlled
R/F control console
Diagnostic table ZC 15X-2
Radiographic table SC3-2
HV cable
X-ray tube assembly
X-ray tube stand ZZ-3
Options:
TV system,Remote controlled console

REMOTE CONTROLLED DIAGNOSTIC X-RAY UNIT (500mA)



Microprocessor control More functions more flexibility



MG20

Diagnostic table,motor driven table tilting and tabletop moving at head end electrically.
Combined with TV system to do the remote operation,can meet requirements of TV fluoroscopy and spot film.
All electrical movement of spot film device make “corss” four division radiography.
Frequency conversion technology is applied to the table tilting,makes movement smooth and reduce system noise.



Transverse movement



Longitudinal movement of spot film device



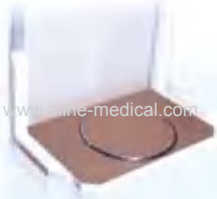
Compressing direction movement of spot film device



Longitudinal movement of table top



Carbon fiber table top,high intensity low absorption



Rotatable foot support(optional)

Anatomical exposure position selection:
Exposure parameters can be set based on patient body size and exposure positions,.The parameters can also be corrected stored.
Safety function:
The error self-diagnosis function can determine problems quickly and accurately.It can execute protection automatically and display error code for maintenance.
APR function:
Programmable functions,provides 90 memory programs for radiography.The parameters can also be set manually.
X-ray tube protection:X-ray tube heat capacity and load capacity are managed and protected by computer programs,to allow maximum utilization of the tube capacity and exposure parameters.
Excellent image processing:
Digital dynamic noise reduction,image positive/negative reverse,transverse/vertical flip,black spot correction,LIH.

Standard Configuration:
X-ray Generator:Microprocessor controlled 500mA
Remote Table:ZC15XY-1
Integrated Radiographic Table SC4-4
Image Intensifier:9" I.I.
TV Monitor:14" Monitor
X-ray Tube Assembly
H.T.Cable

MEDICAL DIAGNOSTIC X-RAY UNIT (500mA)



MG21

Item	Contents		
Fluoroscopy	0.5~5mA, 45~110 kV adjustable continuously		
Radiography	Tube voltage	50~125 kV adjustable continuously	
	Tube current	30~500 mA adjustable by 8 steps	
	Exposure time	0.02~5s adjustable by 23 steps	
Diagnostic table	Table tilting	+90° ~ 0° ~ −15° motor-driven	
	Tabletop moving	500mm at head end	
	Spot film device — Movable range	Longitudinal: 720 mm	
		Transverse: ±125 mm	
		Compressing: 300 mm	
	Lock mode	Electro-magnetic lock	
	Bucky	Density: N40	
		Focus: f 70	
		Ratio: r8	
	Film size	203×254mm(8"×10")	254×305mm(10"×12")
		290×358mm(11"×14")	356×356mm(14"×14")
	Collimator	Multi-leaf motor-driven	
Tube stand	Adjustable range between ceiling and floor: 2660~3200mm		
	Sliding in longitudinal (along ceiling and floor rail): 2000mm		
	Moving movement (along rotation arm): 240mm (from focus to center of stand)		
	Vertical movement (along stand): 410~1800 mm (from focus to the ground)		
Radiographic table	Moving range of tabletop: Longitudinal: ±600 mm Transverse: ± 100 mm		
	Lock mode	Electromagnetic lock	
	Bucky (oscillating type)	Density: N40	
		Focus: f 100	
		Ratio: r8	
	Tabletop-film distance	78mm	
X-ray tube assembly	Model	XC51-20/40/125 (FC)	XC62-30/60/125 (FC)
	Focus	1 / 1.2 × 2mm	1 / 1.2 × 2mm
	Speed	2800r/ min	2800r/ min
Power supply	Voltage	Single phase 380V AC	
	Capacity	≥30kVA	
	Frequency	50Hz	
	Inner resistance	0.3Ω	

Item(Optional)	Contents
Tomographic attachment	Exposure angle: 10°, 30°, 50° 3 steps
	Layer height: 0~220mm motor-driven
Vertical bucky stand	Height adjustable
	Bucky tiltable

Features:
Two-table,two-tube.
Single-phase,full wave,high voltage rectification.
Protective devices for X-ray tube capacity,anodestarting and exposure timing.
SCR exposure switch.
Inner-balanced diagnostic table,motor driven table tilting and tabletop moving at head end electrically.
Spot film device with high density stationary grid and electromagnetic lock.
The tabletop of radiographic table can be moved in longitudinal and transverse direction with electromagnetic locks.The oscillating bucky is mounted under table.
Ceiling-floor rail type tube stand,telescopic rotaing tube arm, electromagnetic locks and double-cable safety device.
Motor-driven multi-leaf collimator and manual multi-leaf collimator with light beam indicator.,
Interface for TV system and vertical bucky stand.
Motor-driven linear tomographic attachment can be selected,layer height adjusted manually.

DENTAL X-RAY UNIT (8mA)



MG22

Features:
Advanced X-ray technology,microprocessor-controlled,touched button,wall mount,,clear imaging,low radiation,high efficiency,easy operation and save space.
Specifications:
Power supply:AC220V ± 10%,50Hz,1kVA
Tube voltage:60kVp
Tube current:8mA
Focus size:1.5mm
Total filtration:2.5mmAL
Exposure time:0.2-4sec
Leak radiation:Outside one meter ⩽0.002mGy/h(National standard:0.25mGy/h)
Operational:Tube current:0.5mA Focus size:0.8mm



MG23

Features:
Advanced X-ray technology,microprocessor-controlled,touched button,pneumatic chair,clear imaging,low radiation,high efficiency,easy operation and convenience.
Specifications:
Power supply:AC220V ± 10%,50Hz,1kVA
Tube voltage:60kVp
Tube current:8mA
Focus size:1.5mm
Total filtration:2.5mmAL
Exposure time:0.2-4sec
Leak radiation:Outside one meter ⩽0.002mGy/h(National standard:0.25mGy/h)
Operational:Tube current:0.5mA Focus size:0.8mm

X FILM DEVELOPING MACHINE FOR DENTAL



MG24a

Features:
Open-room operation,small volume,low noise,simple operation,safe,fast,and durable.
Classified as Wall M counted Type and Desk Top Type,and the former can save planar space(Standard configuration).The latter is movable (Addilonality optional).One place of film enters per 30 seconds for muli-film developing disposal,and this may be integrally adjusted in accordance with the exposure conditions of x-ray machine.
Multiple films of 2x3,3x4 and 2.7x5.4cm may be applicable for the theatment of development.



X-RAY FILM PROCESSOR



MG24b

Developed film size : 5” x 7”~ 14” x 17”
Max. developing width : 356mm (14”)
Channel volume : 9L
Developing speed : 90S ~ 180S at option
Developing temp.: 28~ 35 at option
Developing capacity : 150 pcs/h
Power source : AC220V, 50/60Hz
Power : 1.8kw

Stationary anode x-ray tube for medical diagnosis



MG25a



MG25b



MG25c



MG25d



MG25e



MG25f



MG25g

tube type	x-ray tube voltage(kv)	focal spot value	angle(°)	norinal anode input power(kW)(1s)	filament characteristic	diameter(mm)	length(mm)
A	85	1.5	23	1.4	I_f=2.5A,U_f=2.6V±0.7V	35	110
B	100	2.6	19	3.5	I_f=4.5A,U_f=7V±0.8V	50	180
C	100	1.8/4.3	19	2/9	I_f=4.5A,U_f=5V±0.5V/U_f=10V±1V	62	247
D	70	0.8	19	0.56	I_f=2A,U_f=3V±0.5V	30.5	73
E	110	0.6/1.5	15	0.58/3.2	I_f=4.5A,U_f=5V±0.5V/U_f=6.3V±0.8V	50	148
F	100	2.3	19	3	I_f=4.5A,U_f=6.5V±0.5V	50	165
G	35	1.0	19	1.05	I_f=4A,U_f=3.8V±0.4V	55	148

Rotating x-ray tube for medical diagnosis



MG26a



MG26b



MG26c



MG26d



MG26e

tube type	x-ray tube voltage(kv)	focal spot value	max. anode heat content(kj)	angle(°)	max. continuous heat dissipation(w)	anode input power (kW)(0.1s)	filament characteristic	diameter (mm)	length (mm)	anode speed (r/min)
A	100/125	1.0/2.0	100(140kHU)	17.5	410	20/40	I_f=5.5A,U_f=7V-9V I_f=5.5A,U_f=10V-13V	108	225	2800
B	125	1.0/2.0	110(150kHU)	16	410	22/47	I_f=5.5A,U_f=7V-9V I_f=5.5A,U_f=10V-13V	108	225	2800
C	125/150	1.0/2.0	140(190kHU)	17.5	490	30/50	I_f=5.5A,U_f=7V-9V I_f=5.5A,U_f=10V-13V	120	270	2800
D	130	0.3/0.6	210(300kHU)	10	300	5/17	I_f=4.5A,U_f=3.5V±1V I_f=4.5A,U_f=7V±1V	80	214	2800
E	100/125	0.8/1.8	44(60kHU)	17.5	250	10/27	I_f=5.5A,U_f=7V-9V I_f=5.5A,U_f=10V-13V	78	217	2800



MG27 Super thin x-ray film viewer with LCD screen
Super slim desgn,with a 2.5cm thickness
Stable of light source,non-flash
Long life lamp tube and less power consumption
Size:1-4(Connetion)





A Ordinary type B Step adjusting type C Digital button-press adjusting type

MG28
X-ray film viewer
Size:1-12(Connetion)
Adopted with advanced clipping device.
Films are easily to be inserted,taken out,and clipped firmly.
The frame of body is made of the electrophoresis aluminum-alloy,it is durable.
The screen is made of import white polymethyl methacrylate plate,which is bright and cleen,.
Anti-ultraviolet ray,and never fade in color.
It is the first one to make the viewer body with aluminum-alloy to shape wholly in domestic.It is beautiful in appearance.





A Ordinary type B Step adjusting type C Digital button-press adjusting type

MG29 Super thin x-ray film viewer
The thickness is 5.5cm only,saving space
The luminance of screen is brighter,the light is distributed evenly
Adopting with general standard fluorescent lamp tube
Size:1-8(Connetion)

Special series x-ray film viewer



MG30
Automatic on-off type



MG31
Mobile type teaching-adminastrating



MG32
Single side viewing wall-hidden type



MG33
Double side viewing wall-hidden type

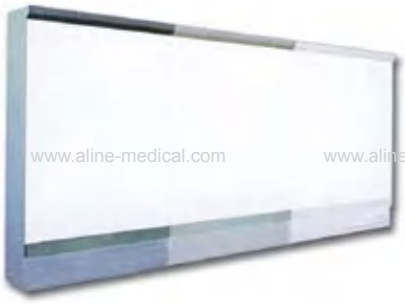


MG34

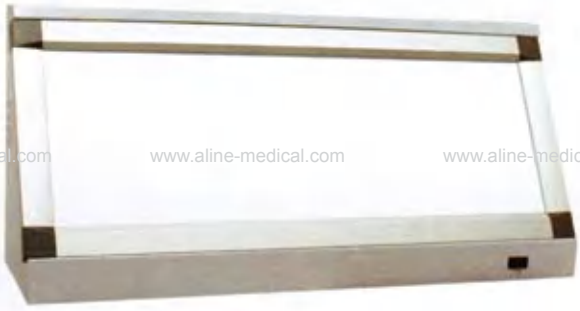
Luxurious series x-ray film viewer
Size:1-12(Connetion)
Adopted with advanced clipping device.
Films are easily to be inserted and taken out,and clipped firmly.
It is the first one to make the viewer body with aluminum-alloy to shape wholly in domestic.It is beautiful in apearance.
The screen is made of import white polymethyl methacrylate plate,it is bright and clean,Anti-ultraviolet ray,and never fade in color.
The product is designed reasonable,and easily to maintenance,.



A Ordinary type
B Step adjusting type
C Digital button-press adjusting type



MG35
Combination x-ray film viewer



MG36
X-ray film viewer for mammograpy



MG37
Working desk
suitable for 3-12 connetions





MG38a Normal type



MG38b With window type

MG38a/MG38b X-ray film cassettes
Adopts special plastic connecting angles,anti-punding.
It is contacted evenly with its specially made high-elasticity sponge pad.
Imaging stably & clearly.The imaging layer is clear as well.
The sponge pad is specially treated.It can protect the intensifying screen not to be damaged.
Adopts the entire plane grid chart testing technigue to insure the quality of products,.We could specially make the sizes according to the client's require-ments.
Size:
MG38a:5"x7",8"x10",10"x12",11"x14",12"x15",
14"x14",14"x17"
MG38b:8"x10",10"x12",11"x14",12"x15",14"x14",
14"x17"



MG39
X-ray film paatient's personal information recorer



MG40
Intensifying screen
Calclum tunsgate medium speed intensifying screen
Rare eath high speed intensifying screen
Gadolinium oxysulfide high speed intensifying screen



MG41 X-ray Film
Size: 5"x7",8"x10",10"x12",11"x14",12"
x15",14"x14",14"x17"

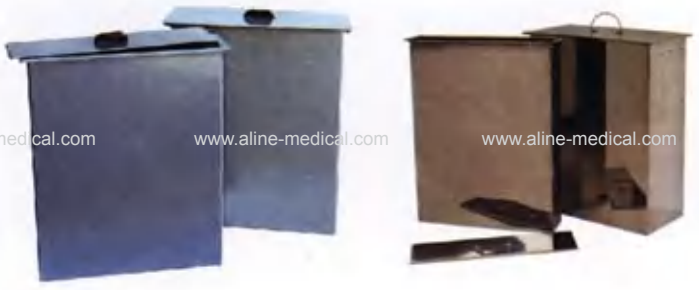
1.Medical blue sensitive x-ray film
2.Medical green sensitive x-ray film
3.Medical CT film
4.Medical Mammography film



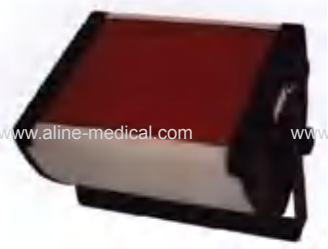
MG42a X-ray film developing hanger
Size:5”x7”,8”x10”,10”x12”,11”x14”,
12”x15”,14”x14”,14”x17”



MG42b
Ray developper replenisher



MG43 Container for film development(19L,38L)



MG44
Darkroom light



MG45
Constant temperature
dryer for x-ray films



MG46
Automatic constant temperature device for films



MG47
Standing x-ray film cassette shelf

Specially designed for the large medical institutions to hold the medical file thickness more than 15mm(150pcs medical files), Size(cm):23x30,23x32

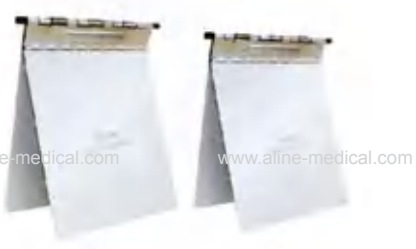


MG48 Plastic normal medical chart

Plastic medical chart is injected with plastic.It is beautiful,handy & easily handled,there are many colors for choice,make the ward more colorful & warmer. Size(cm):23x30,23x32



MG49 Plastic thick medical chart



MG50 Aluminum medical chart
Size(cm):23x30,23x32

X-ray protective Series



MG51 Lead Rubber Jacket

MG52 Lead Rubber Jacket

MG53 Lead Vest

MG54 Lead Vest



MG55 Lead Apron Set

MG56 Lead Coat Apron

MG57 Lead Vest Apron

MG58 Lead Apron

X-ray protective glasses(0.35-0.5mmPb)



MG59 Universal

MG60 Side-protective

MG61 Side-protective

MG62 Side-protective

MG63
Chest Thick Chinese Feet

X-ray protective gloves(0.25-0.5mmPb)



MG64
Intervenient radiation protective gloves(0.025-0.03mmPb)



MG65
Hands protective



MG66
Lead gloves



MG67
Lead gloves

X-ray protective accessories(0.25-0.5mmPb)



MG68 Arms protective



MG69 Protective collar



MG70 Protective collar



MG71 Protective cap



MG72 Hands protective



MG73 Protective mask



MG74 Protective mask



MG75 Protective mask

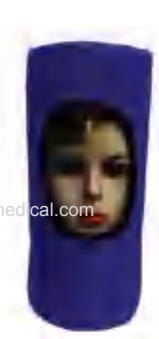
X-ray protective the patients(0.5mmPb)



MG76
Protective collar



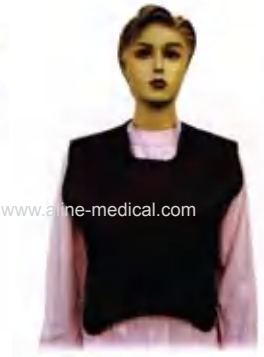
MG77
Protective cap



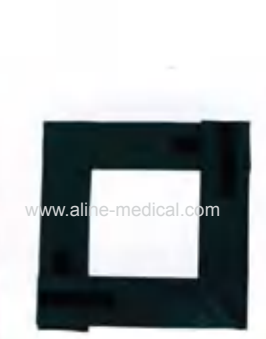
MG78
Protective cap



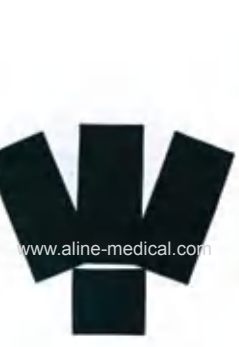
MG79
Lead urdershorts



MG80 Breast protective



MG81 Protective triangle



MG82
Combined protective scarf apron



MG83
Protective scart



MG84
High-collar waistcoat apron



MG85
Protective short skirt



MG86
Protect scrotum



MG87
Protective scart

Patient Monitor Series



MG88

Features:
12.1"color TFT display
Suitable for adult, pediatric and neonatal patients
13 module slots for flexible configuration
Advanced technologies including RM, ICG, BIS, etc.
Maximum 8 channels for IBP measurement
Friendly and configurable user interface
Powerful data review:
Maximum 120-hour graphic and tabular trends of all parameters
24-hour full disclosure waveforms review
120 seconds frozen waveforms
Up to 1000 pieces of NIBP record storage
100 pieces of regular alarms review
100 pieces of ARR alarms storage
Ethernet or Wireless LAN networking
Standard Configuration:
Main unit + Display + MPM (ECG, SpO2, 2-TEMP, NIBP)
Optional:
All-in-one Module: MPM with optional configurations
Single Modules: 12 lead ECG module, Dual-IBP module, CO module, EtCO2 module, Multi-gas/O2
module (with optional BIS), ICG module, BIS module, RM module, Thermal recorder module
Module Racks: 8 slot module rack
Other options: Wireless LAN, Power-off Storage.Laser printer,external display.



MG89

Features:
10.4" color TFT with maximum 8 waveforms
SpO2 pulse-tone modulation (Pitch Tone)
Mindray, Masimo, Nellcor SpO2 Technology
Li-ion / lead acid battery
Large font display
LAN / wireless LAN networking with Hypervisor VI Central Monitoring Systems
Standard Configuration:
ECG, RESP, NIBP, Mindray SpO2, TEMP, Lead Acid Battery
Optional:
Masimo/Nellcor SpO2, 2-IBP, CO, EtCO2, External Multi-Gas/O2, Thermal Recorder



MG90

Features:
Suitable for adult, pediatric and neonatal patients
Mindray, Masimo, Nellcor SpO2 Technology
SmarTempTM thermometer
Adjustable audible and visual alarms
Central station networking
Removable and rechargeable battery, up to 10-hour working time
Integrated handle and full mounting solutions



MG91

Features:
Easy button press,access all major functions rapidly.
Bright,easy-to-read LED numerals.
3-level audible and visual alarm.
Removable & rechargeable battery.
Digital SPO2,high capacity against interference of ESU,motion & low infusion
Wireless or wire communicable with central station system.
Integrated handle and full mounting solutions.
Standard configuration:
NIBP,SPO2,PR,TEMP,Battery
Option:
Thermal Recorder,Nellcor SPO2.



MG92

Features:
15"TFT LCD display,high resolution(1028x768)
Rechargeable lithium Battery,long life time
Backlight buttons,easy to operate at night
SD memory card(option)
Dual Alarm light
Nurse call function
Standard configuration:
ECG,HR,RESP,NIBP,SPO2,2-TEMP,Lithium Battery
Option:
12-lead ECG,2-IBP,Recorder,
EtCO2(side stream,main stream),
Anesthetic Gas,Nellcor SpO2,
Masimo SpO2,ICG,SD memory Card



MG93

Features:
12"TFT LCD display,high resolution
Store & review 168 hours trend data and trend maps
Digital BLT-SpO2 technology offers anti-motion and anti-low perfusion functions
Standard Configuration:
ECG,HR,RESP,NIBP,SPO2,PR,TEMP,Battery
Option:
12-lead ECG,2-TEMP,2-IBP,
Recorder,EtCO2(side stream,main stream),
Anesth etic Gas,Nellcor SpO2,
ICGMasimo SpO2,ICG



MG94

Features:
10.4" TFT LCD display,high resolution.
Portable design,stylish and convenient
Store & review 1000 pieces of alarm events
Standard Configuration:
ECG,HR,RESP,NIBP,SPO2,PR,TEMP,Battery
Option:
2-TEMP,2-IBP,Record,
EtCO2(side stream,main stream),
Nellcor SpO2,ICG



MG95

Features:
12.1" LCD display,high resolution.
7 lead ECG Waveform display in the same screen
Large number display for long distance vision
Digital SPO2 technology offers anti-motion and anti-low perfusion functions
120-hour tabular and graphic trends & data storage

Standard Configuration:
ECG,HR,RESP,NIBP,SPO2,PR,TEMP,Battery
Option:
2-TEMP,2-IBP,Record,EtCO2(side stream,main stream),
Nellcor SpO2,Masimo SpO2



MG96

Features:
12.1" color TFT display with 8 waveforms
Large font display
Mindray, Masimo, Nellcor SpO2
SpO2 pulse-tone modulation (Pitch Tone)
12-lead ECG analysis
Microstream™ EtCO2 (Oridion) / Sidestream EtCO2 (Mindray)
CF storage card and wireless LAN card
Li-ion / lead acid battery
Networkable with Hypervisor VI Central Monitoring System
Standard Configuration:
ECG, NIBP, RESP, Mindray SpO2, Dual-TEMP, Lead Acid Battery
Optional:
12 lead ECG, Masimo/Nellcor SpO2, Dual-IBP, CO, EtCO2, Multi-gas/O2, Thermal Recorder, Li-ion Battery, CF storage card and wireless LAN card.



MG97

Multi-parameter Portable Patient Monitor
ECG, NIBP, SPO2, RESP, TEMP, PR; CE marked
10.4 inch brightness (800x600) colorful TFT LCD
Simultaneous display of 5/7 lead ECG by one screen
Analysis of real time ST segment and arrhythmia
168 hour graphic and tabular trend with data storage
Display mode of large character for remote observation
Up to 66 beds for networking capacity to connect with HIS
750 group NIBP data for recall and display
Digital SPO2 technology supporting function of anti-motion and anti-low perfusion
Standard: ECG, NIBP, SPO2, RESP, TEMP, PR, Drug dose calculation, OXYCRG, battery
Optional: 12 lead ECG, 2-TEMP, 2-IBP, Recorder, EtCO2 (side stream, main stream), CO



MG98

Multi-parameter Portable Patient Monitor
ECG, NIBP, SPO2, RESP, TEMP, PR; CE marked
12.1 inch brightness (800x600) colorful TFT LCD
Simultaneous display of 5/7 lead ECG by one screen
Analysis of real time ST segment and arrhythmia
120 hour graphic and tabular trend with data storage
Display of large character for remote observation
Up to 66 beds for networking capacity to connect with HIS
750 group NIBP data for recall and display
Digital SPO2 technology supporting function of anti-motion and anti-low perfusion
Standard: ECG, NIBP, SPO2, RESP, TEMP, PR, Drug dose calculation, OXYCRG, battery
Optional: 12 lead ECG, 2-TEMP, 2-IBP, Recorder, EtCO2 (side stream, main stream), CO



MG99

Multi-parameter Portable Patient Monitor
ECG, NIBP, SPO2, RESP, TEMP, PR; CE marked
7 inch high resolution colorful TFT LCD
Simultaneous display of 4 lead ECG by one screen
Analysis of real time ST segment and arrhythmia
48 hour graphic and tabular trend with data storage
Up to 66 beds for networking capacity to connect with HIS
600 group NIBP data for recall and display
Digital SPO2 technology supporting function of anti-motion and anti-low perfusion
Standard: ECG, NIBP, SPO2, RESP, TEMP, PR, Drug dose calculation, OXYCRG, battery
Optional: 2-TEMP, Recorder



MG100

Multi-parameter Patient Monitor
Features:
8'(16:9)wide screen,TFT display,small volume and light weight.
Real-time display ECG,SpO2,Respiration waves,digitally display .HR/Pulse,Double-temperature,Respiration,SPO2,NIBP(can expand to Dual IBP) and etc.
Three monitor modes :monitoring,operation and diagnase.
There are two NIBP measurements by manual and cycle,suitable for Adults,Infant and Neonate.
All lead unit,two-channel ECG waveforms,20 arrhythmia waveforms can analyze and store automatically.
All date trend chart for convenience to doctors.
Inner-recorder is optional.To record many waveforms and event.
Sound and light alarm can be setup to three level and digital volume adjustment to insure the patients'safety.
Anti-defibrillation and high-frequency electrosurgical. Can detect pace-maker.
AC/DC,Li-ion battery and can work more than 4 hours.
LAN port and can connect with KN-601 central monitor.
Three fixed modes: bottom bracket,backside bracket and hanging handle.
Options: EtCO2, Dual IBP.



MG101

Multi-parameter patienet monitor
ECG,Heart Rate,Pulse Rate,NIBP,Respiration,Temperature,SPO2
Plug and play,high level $EtCO_2$ function:
Portable and remote control function is available.
12.1 inch color TFT LCD display with high resolution.
For Adults,pediatrics and neonates.
All lead ECG,more than 20 VPC waveforms(arrhythmia detection)are analyzed and recorded automatically.
Manual,Auto and continuation,three kinds of NIBP measuring modes.
Freezing and releasing waveform function,analysis of ST-segment,ECG waveform recall,96 hours trend chart and alarm function.100 sets of VPC data and 400 sets of NIBP data are stored.
Menu mouse and hotkey make operation more convenient.
Can be used with ESU(Electrosurgical Unit),defibrillator and pacemaker simultaneously.
Network capacity and can be connected to be connected to central monitoring system.
Built-in recorder,storage battery,ETCO2 and IBP are optional.
CE,ISO 9001:2000,ISO 13485:2003 certificate.



MG103

Multi-parameter parient monitor
Exclusive slim type(only 5.5 cm thickness)and remote control function is available.
12.1 inch color TFT LCD display with high resolution.
Can be fixed on wall and table,very flexible installation.
For Adults,pediatrics and neonates.
All lead ECG,more than 20 VPC waveforms(arrhythmic detection) are analyzed and recorded automatically.
Manual,Auto and continuation,three kinds of NIBP measuring modes.
Freezing and releasing waveform function,analysis of ST-segment,ECG wave form recall,96 hours trend chart and alarm function.100 sets of VPC data and 400 sets of NIBP data are stored.
Menu mouse and hotkey make operation more convenient.
Can be used with ESU(Electrosurgical Unit),defibrillator and pacemaker simultaneously.
Network capacity and can be connected to central monitoring system.
ISO 9001:2000,ISO 13485:2003 certificate.



Remote control function



Only 5.5 cm thickness



MG102
Handheld type

Multi-parameter patienet monitor
1. Size of Screen: 6“ TFT Colour LCD with resolution of 640*480
2. Waveform display: 4 channel waveform display in screen with the waveforms of ECG, Respiration, NIBP and SpO2
3. Language: Chinese/English With E-manual embedded
Production Highlight
1. GSM remote monitoring system(Only useable in China)
2. Alarm: Human-speech for alarming, Light and sound alarming
3. Can work with portable printer
4. Expert Low power cost: 4W
Portable long life Li-battery with smart management of charge and power consume, can work without AC power longer than 3 hours
5. ECG: 3 channel ST segment analysis
Resist 50Hz AC disturbance, can work with electrosurgical unit and de-trembling
6. NIBP: Measure Method: Advanced One-step Method Automatic/Manual
Can start with GSM remote signal.
Can auto identify the measurement of baby child and adult.
Can display the waveform of blood pressure
Can display the result with mmHg/kPa simultaneously in screen
7. SpO2: Can resist the disturbance of the patient movement.
8. Can display the chart of previous data of Heart Rate, VPC, Three Level ST Segment, NIBP, SpO2, Pulse Rate, Respiration Rate and Temperature in 1-96 hours.



MG104

Table top NIBP/SPO2 monitor
NIBP,SPO2,PULSE RATE
Table top pulse oximeter(SPO2,Pulse rate)
NIBP:
Method:Intelligent Oscillation
Cuff inflating time:<30s(standard adult cuff 0-250mmHg)
Deflating time:average <90sec
Deflating time when measurement stop:< 2sec(standard adult cuff 250-150mmHg)
Initial inflating pressure:180mmHg(adult),120mmHg(infant)
Maximum allowed inflating pressure:300mmHg(40Kpa,over this value,safety value deflating automatically)
Messuring Mode:Manual measurement,adult mode
Measurement Intermission:0-240min adjustable
Measurement parameters:Systolic pressure,Distolic pressure,Mean pressure
Alarm indication range:Upper limit:22-250mmHg,Lower limit:20-248mmHg
SPO2:
Sensor:Two-wave LED(light emitting diode)
SPO2 measuring range:0-100%
Resolution:1%
Precision: ± 2%(90-100%), ± 4%(70-89%), ± 6%(40-69%)
Alarm Indication range:Upper limit 1-100%,Lower limit 0-99%
Range of pulse rate:20-250bpm
Pulse alarm indication range:Upper limit 22-250bpm,Lower limit 20-248bpm
5.7 inch LCD display
96 hours trend chart and alarm function
400 sets of NIBP data are stored
Battery backup



MG105

Multi-Parameters Patient Monitor
10.4 inches colored bright TFT LCD display with big characters.
User friendly English/Chinese interface.
Unique all-leads ECG one screen display, which facilitates the cardiac disease analysis.
One monitoring lead's ECG waveform could be reviewed and stored for 10-30mins or longer.
120-168hrs trend data storage.
Review of alarm events max.1000-1800, NIBP measurement max.750-1000.
Optional oxy CRG display.
Rechargeable battery ensures continuous monitoring while power off.
LAN or wireless network connection as central monitoring system.
Resists high frequency electro tome with protection against defibrillation effects.
Configuration: ECG+Breathe+NIBP+SpO2+HR+1-TEMP+Battery(one piece)
Optional: Recorder





MG106

Colored multi-parameter monitor
It is developed with the imported OEM component,accessories,and10'4TFTLCDscreen importe.This high-tech product is intelligentized and portable.In erery condition this instrument ensure you to conveniently and accurately acquire the patients' parameters and waveforms such as electrocardiogram,blood pressure,hemophoric index,breath,temperature,pulse and so on.(Four-parameter type monitor is unable to acquire breath and temperature).
Major specification:
1.ECG Monitor
CMRR: ⩾ 100dB
Range of Heart Rate:30-254BMP
Measurement of S-T Section:-0.8mV-+0.8mV
Range of Frequency Response:0.05-100Hz for diagnosis,0.5-40Hz for monitoring,1-25Hz for surgery
Gain Type:automatic and manual
2.Oxygen Satureation of Blood(SPO2)
Measuring Ragne:0-100%
Pulse Rata:30-254 BMP
3.Non-invasive Blood Pressure(NIBP)
Measuring units:both Kpa and mmHg are available
Systolic pressure:4.0-33.3Kpa or 30-250mmHg
Diastolic pressure:1.3-30.0Kpa or 10-225mmHg
Average pressure:2.7-31.3Kpa or 20-235mmHg
Automatic measuring cycle:2-120 minutes, adjustable
4.Respiratory system RESP
Measuring mode:chest impedance method or nasal tube mode
Measuring Ragne:Adults:0-120 BMP,
Children:0-130 BPM
5.Temperature
Measuring range:25℃-45℃
6.Print
Print mode:timed parameter,printing,alarming printing
Mode of printer:National KX-P1121(Optional)
7.All the parameters can be set & alarm.It has 72 hours trend-chart and trend-table.
8.Protective Function
All leaders have the protective function ogainst vibration.Its electrome has high frequency noise immunity & protects electrosurgical equipment.
9.Power
Intelligentized Power Manage System,
Uninterrupted Autoswitch between AC and DC,
LI Battery,continuously work over 2hrs,auto recharge.
10.Safety Standard
Meets the GB9706.1-1995 STANDARD,all CF.



MG107a

Non-synchronizer:outlife difibrillator
Sine wave:monophasic technology
Energy:0,20,50,100,160,250,300,360 joule
Charging time:At 360J less than 10 sec
Paddle options:Reusable extermal adult and infant paddles
Operates from the mains (AC) and with its internal NIMH battery
Each one is packed
individually in a carton
Package size : 54×50× 21cm
GW: 15Kg
NW: 11Kg



MG107b

ECG:
ECG lead: I,II,III, a VR, a VL, a VF, V1-V6
S-T segment analysis: –2.0-2.0mv
Protegtion: withstand 4000v AV/50HZ voltage in isolation and work against electrosurgical interence and defibrillation.
ECG lead/cable: general lead/cable for adult, pediatric and neonatal patients

Defibrillator:
Sync and Non-synchronizer: outlife defibrillator
Sine wave: monophasic technology
Energy: 0, 20, 50,100,160,250,300,360 joule
Charging time: at 360J less than 10sec
Paddle options: reusable external adult and infant paddles
Paddle options: operates from the mains (AC) and with internal NIMH battery
7''TFT display
Each one is packed
individually in a carton
package size: 50×44×37cm
GW: 18Kg
NW: 15Kg

Mother/Fetal Monitor Series



MG108a

Mother/Fetus Monitor
FM/FHR/TOCO/NIBP/PULSE RATE
Lightweight,space-saving,easy operation.
Function:FHR,Fetal movement,TOCO,110mm width Recorder and NIBP can be optional.
It can be connected to the obstetrical central station to construct central monitoring system.
Technical Specification:
FHR
Use wide-angle multi-wafer fixed on buckle of belly belt.
Display Range:65-210bpm
Precision: ⩽ 2bpm
TOCO
Use light-duty Smith safety ring shape TOCO probe.
Has manual initialization(20 unit)function.
The measurement range of TOCO:0 unit-100unit
Icon Switch
Marual key style(Patient Operation):There will be a red bar icon above
OP waveform when the key is pressed.
FHR
FHR Manual marked
Other Specification
Power supply :220V ± 22V,50Hz ± 1Hz
Power consumption: ⩽ 80VA
Alarm:Sound and light
Atmospheric pressure:86-106Kpa
Working condition:Ambient tempcrature:5℃-40℃
Relative humidity: ⩽ 80%
Safety:Class I,Type BF



MG108b

Mother/Fetus Monitor
NIBP
Method:Intellgent Oscillation
Cuff inflating time:<30s(standard adult cuff 0-250mmHg)
Deflating time:average <90sec
Deflating time when measurement stop:<2sec(standard adult cuff 250-150mmHg)
Initial inflating pressure:180mmHg(adult),120mmHg(infant)
Maximum allowed inflating pressure:300mmHg(40Kpa,over this value,safety valve deflating automatically)
Measurement Mode:manual measurement,adult mode
Measurement Intermisssion:0-240min adjustable
Measurement parameters:systolic pressure/diastolic pressure/mean pressure
Alarm indication range:upper limit 22-250mmHg,lower limit 20-248mmHg
TEPM(optional)
Measuring Range:28.0-43.2℃
Precision: ± 0.1℃ (± 0.20F°)
Resolution: ± 0.1℃
Alarm indication range:28.0-43.2℃
Unit:Degree of Celsius of Fahrenheit
Alarm indication range of FHR,UCP,HR,ECG,RESP, RATE,NIBF,SPO2,TEMP are settable.
Sound and light alarm are available.
Power supply:220V ± 22V,50Hz ± 1Hz
Power consumption: ⩽ 110VA
Display mode:10.4 inch TFT LCD display
Alarm mode:Sound and Light
Working condition:Ambient temperature:5℃-40℃
Relative humidity: ⩽ 80%
Atmospheric pressure:86-106Kpa
Storing condition:Ambient temperature:-10℃-40℃
Relative humidity: ⩽ 80%
Keep away from acrid gas,Good draught
Safcty:Class I,Type BF
110mm width Recorder is optional
Mother/Fetus Monitor
FM,FHR,TOCO,NIBP,PULSE RATE,ECG,TEMP,RESP,SPO2
FHR(Fetal Heart Rate)
Method:Ultrasound Doppler
Measuring Range:60-200bpm
Precision: ⩽ ± 2bpm
Ultrasound Frequency:2.5 MHz
Ultrasound Output:5mW/cm2
Ultrasound Task Measurement:Impulse Wave
Alarm Indication range:upper limit:66-200bmp,lower limit:65-199bpm
TOCO(Uterine Contraction Pressure)
Method:Outside Measurement
Measuring Range:0-100 unit
Non linearity Precision: ⩽ ± 10%
Quickening Sign:Artificial and Automatic
ECG(optional)
HR measuring range:20-240bpm
Precision: ⩽ ± 2bpm
Lead selection:standard 12 leads(all-lead ECG)
Gain selection:x1/2,x1,x2,x Auto
Alarm indication range:upper limit 22-240bpm,lower limit 20-238bpm
SPO2(optional)
Sensor:Two-wave LED(light emitting diode)
SPO2 measuring range:0-100%
Resolution:1%
Precsion: ± 2%(90-100%), ± 4%(70-89%), ± 6%(40-69%)
Alarm Indication range:upper limit 1-100%,lower limit:0-99%
Range of pulse rate:20-250bpm
Pulse alarm indication range:upper limit 22-250bpm,lower limit 20-248bpm
RESP(optional)
Measuring mode:chest impedance
Measuring range:0-120bpm
Alarm indication range:upper limit 1-120bpm,lower limit 0-119bpm



MG109a

Fetal Monitor
VFD bright display 110mm×48.3mm, user friendly interface with complete functions.
Self-defined single event mark.
Auto detection for out of paper and thermal print head over-heating protection.
Impulse ultrasonic transducer, correct and reliable FHR measurement by heart rate reading algorithm.
Effective measurement for TOCO transducer with high sensitivity and wide range pressure.
Ensure Ultrasonic transducer position with signal intensity indication.
Rechargeable battery ensures continuous monitoring while power off.
Database analysis of central monitoring system and hospital informational management by RS485 or TCP/IP network connection.
Standard Accessories: Fetal Movement, Ultrasound Doppler Transducer, TOCO Transduer, Biding Belt, Caster Oil, Record Paper





MG109b

Fetal Monitor
5.7 inches LCD screen, digital and waveform display of FHR and TOCO.
User friendly operational interface.
Self-defined multi-event mark.
Auto detection for out of paper and thermal print head over-heating protection.
13-water pulse ultrasonic probe, correct and reliable FHR measurement by heart rate reading algorithm
Effective measurement for TOCO transducer with high sensitivity and wide range pressure.
Auto Fetal movement detection.
Ensure Ultrasonic transducer position with signal intensity indication.
Rechargeable battery ensures continuous monitoring while power off.
Database analysis of central monitoring system and hospital informational management by RS485 or TCP/IP network connection.
Optional for Twins use
Standard Accessories: Fetal Movement, Ultrasound Doppler Transducer, TOCO Transduer, Biding Belt, Caster Oil, Record Paper





MG110

Ultrasound Fetal Monitor Probe:
Solid and durable, anti-shock and anti-falling down.
Multi-fetus: Single fetus,twin fetus,tri-fetus are optional.
Multi-parameter: Real-time Matemal SPO2 and NIBP monitor.
Patient: Special fetus awaking function within FHR probe.
Three to one design: Special three to one design among FHR probe, TOCO probe, fetal movement marker, avoid twisting
Tone: Quality speaker take more clear and loud sound.
System: Operate and control mutually with center monitor.
Ultrasound: Multi wafer, wide wave-beam.
Ultrasound frequency: 0.8-2.2MHz+-5%
Ultrasound intensity: <5mW/cm2
TOCO transducer: external transducer
FHR range: 30-210bpm
TOCO range: 0-100 (relative unit)
Power: AC 220V 50Hz
Paper: 112mm thermal
packing:38.5x18.5x57cm/pc



MG111

LCD can clearly display FHR data, hear rate graphics, battery indicator, volume of sound and synchronous FHR signal;
Executive Standard: EN61266: 1995
Ultrasonic
frequency: 2.0MHz/5.0MHz±10%
Ultrasonic intensity: ≤10mW/cm2
Comprehensive Sensitivity: ≥90dB
FHR range: 60--210bpm(±2bpm)
FHR alarm range: 60--210bpm adjustable
Isptp; ≤0.1MPa
Print speed: 1,2,3 cm/min
Battery:14.4V/1600mAh Ni-MH rechargeable batteries
Adapter input voltage: AC 100--240V 50Hz/60Hz
Rechargeable battery input voltage(no load):DC 24V±1V
Input power: ≤30W
Maximum audio output intensity:≤2W
Doppler frequency: 100--3000Hz
Static continuous working time: ≥4h
Automatic power off: one minute
Working temperature: 10-40℃
Humidity: ≤80%
Atmospheric pressure: 86-106kPa



MG112

It is fetal monitor with USB for twin.
5.7 inches TFT LCD displays US and UC data with monitoring trace curve;
FHR collects signal indication, alarm indication for abnormal FHR, fetal movement indication, and can freeze monitoring status;
Specifications:
1. US
Transducer:9 crystals, wide wave beam
Working mode: Pulsed ultrasound Doppler
Ultrasonic frequency: 1.0MHz±10%
Measuring range: 50-240 BPM
Alarm range: Up: 55-240 BPM Adjustable continuously within range
Low: 50-235 BPM Adjustable continuously within range
2. TOCO
Display range: 0-100units (non-linear error: ≤±10%)
3. PC PORT
Edition USB 1.1 or USB 2.0; RS-232
4. THERMAL RECORDER
Paper width : 112 ± 2mm
effective record width : 105 ± 2mm; Paper length : 15m
Recorder density : US: 27 BPM/ CM ; UC: 40 BPM / CM
Printing speed (adjustable): 1 cm/min, 2 cm/min, 3 cm/min



MG113

Display the US and TOCO Data with two groups LED display;
FHR collection signal for quality indication, alarm indication for abnormal FHR, Fetal movement indication display on the printing paper;
FHR
Probe: 9 crystals, wide wave beam
Working mode: Pulsed Doppler
Ultrasonic frequency: 1.0MHz±10%
Signal processing: signal processing units for special digital signal
FHR range: 50--240bpm
Alarm range: Up: 55--240bpm Low: 50--235bpm
Printing resolution: 27bpm/cm
The highest frequency output: ≤5W
TOCO
Display range: 0--99units ((nonlinear error ≤±10%)
Printing resolution: 40units/cm
Display: display US and TOCO data with two group LED display
Battery: 16.8V/1800mA NI-MH rechargeable batteries group
Time of continue working in static condition: ≥2 hours
Power supply: AV 100--240V 50Hz/60Hz DC 24V±1V
Consume power: ≤50W
Working Temperature: 10-40℃
Humidity: ≤80%
Atmospheric pressure: 86-106kPa



MG114

Display the US and TOCO Data with three groups LED display;
FHR collection signal for quality indication, alarm indication for abnormal FHR, Fetal movement indication;
FHR
Probe: 9 crystals, wide wave beam
Working mode: Pulsed Doppler
Ultrasonic frequency: 1.0MHz±10%
Signal processing: signal processing units for special digital signal
FHR range: 50-240bpm
Alarm range:Up: 55-240bpm Low: 50-235bpm
Printing resolution: 27bpm/cm
The highest frequency output: ≤5W
Display range: 0-99units ((nonlinear error ≤±10%)
Printing resolution: 40units/cm
Display: display US for twin with two groups and TOCO data with one group LED display
Battery: 16.8V/1800mA NI-MH rechargeable batteries group
Time of continue working in static condition: ≥2 hours
Power supply: AV 100-240V 50Hz/60Hz DC 24V±1V
Consume power: ≤50W
Working Temperature: 10-40℃ Humidity: ≤80%
Atmospheric pressure: 86-106kPa



MG115

5.7" LCD display can display main parameters for US and TOCO Data, ECG-MHR, TEMP, RR, SpO2, NIBP and monitoring curve;
FHR collection signal for quality indication, alarm indication for abnormal FHR, Fetal movement indication;
Specifications:
FHR
Probe: 9 crystals, wide wave beam
Working mode: Pulsed Doppler
Ultrasonic frequency: 1.0MHz±10%
Ultrasonic average intensity:≤10mW/cm2
Signal processing: signal processing units for special digital signal
FHR range: 50- 240bpm
Alarm range:Up: 55-240bpm Low: 50-235bpm
Printing resolution: 27bpm/cm
The highest frequency output: ≤5W
Overall sensitivity:≥90dB



MG116

Portable and economical Fetal Monitor mainly applies to detect FHR and record the FHR / UC graphical wave LCD displays monitoring data, FHR digital and FHR / UC graphics, Marking label , battery indicator, volume and synchronous FHR signal
High sensitivity 5.0 MHz probe can detect FHR and umbilical blood stream, much easier to interchange; 2.0 MHz probe for standard Doppler detecting; 1.0 MHz probe for monitoring the FHR for a long time ;
Freeze the FHR graphic and data on LCD when FHR found out of the normal range



MG117

Function:It can detect the Fetal heart,it's used for detecting the fetal heart at hospital,clinic,family.
Technology:Ultrasonic frequency:2.5MHz±10%
Power:9.6V rechargeable battery
Ultrasonic intensity:≤10mW/CM²
Work time:≥6 hours
Unit:size: 20.0cmx16.5cmx6.5cm
Packaging:gross
weight: 13.5kg(20pes) size:45cmx35.5cmx35.5cm
Disposition:charger,gallus,manual



MG118

Function:It can detect the Fetal heart,LCD display FHR,it's used for detecting the fetal heart at hospital,clinic,family.
Technology:Ultrasonic frequency:2.5MHz±10%
Power:9.6V rechargeable battery
Ultrasonic intensity:≤10mW/CM²
Work time:≥6 hours
Unit:size: 20.0cmx16.5cmx6.5cm
Packaging:gross weight:13.5kg(20pes)
size: 45cmx35.5cmx35.5cm
Disposition:charger,gallus,manual



MG119

with a belt,a earphone ,a bottle of adhesive
Function:It can detect the Fetal heart,LCD display FHR,it's used for detecting the fetal heart at hospital,clinic,family.
Technology:Ultrasonic frequency:2.5MHz±10%
Power:9.6V rechargeable battery
Ultrasonic intensity:≤10mW/CM²
Work time:≥6 hours
Unit:size: 20.0cmx16.5cmx6.5cm
Packaging:gross weight: 13.5kg(20pse)
size:45cmx35.5cmx35.5cm
Disposition:charger,gallus,manual



MG120

White backlight LCD display, can be used at all kinds of ray
Ultrasonic frequency:2.0 MHz(Standard) 3.0MHz/5.0MHz/ 8.0MHz(Optional),error: ± 10%
Ultrasonicpowerintensity:≤10mW/ cm2
Comprehensive Sensitivity: ≥90dB
Measurement range: 50bpm–210 bpm Error: ±2bpm
Isptp:≤0.1Mpa
Doppler Frequency: 0-3KHz
Power Consumption:≤1.5W
Power off automatically:after 3 minutes
Working Mode:Continuous ultrasound doppler
Working temperature: 5-40℃
Humidity:< 80%
Atmospheric pressure:86-106kPa



MG121a

LCD display FHR ;Built-in loudspeaker & clearly ; Auto- power off function.
Adopt with recharger battery, constantly working 10 hours over when full of recharger;
Huge capacity battery, work more than 12 hours after full charge;
Single key control. Automatic battery recharge and protection;
Monitor 9 weeks above unborn baby's blood wall pulsate;
Real-time, ten seconds average & handly account the FHR.
Specification:
Probe: Solid and durable, anti-shock and anti-falling down.
Power: DC 7.2V
Size: 133mmx85mmx31mm,Weight:Main body 0.12kg
Temperature: 5℃-40℃,Humidity: 0-85%



MG121b

Sensitivity:monitor 12 weeks above unborn fetal heart beat.
Economic:Adopt with proffessional recharger battery,for effective cost-saving and also can use 9.6V diaposable batteries.
Practical:Unique network terminal service,can connect central network in hospital through dial-up at home,more timely,reliable and accurate for fetal monitoring.
Ultrasound frequency:2.5+-0.25Mhz
Ultrasound output power:10mW/cm
DC power supply:9.6V rechargeable battery
Working envirement temperature:10-40



MG122

It's used for detecting the fetal heart rate(FHR) at hospital,clinic,family.
Easy to use
Without LCD display
Built-in speaker
Audio output
Automatic switch-off
Multi-colour of main
Specification:
Ultrasonic Frequency: 2.5 MHz
Dimension:100(L)x30(W)x135(H) mm
Weight:0.5kg
Continuous work time: 8 hours
Package:
22x17x7cm/unit



MG123

It's used for detecting the fetal heart rate(FHR) at hospital,clinic,family.
Easy to use
LCD display
Built-in speaker
Blue Backlight
Audio output
Automatic switch-off
Real-time and average
Battery energy Indication
Sound alarm function when FHR is out of the normal range
Multi-colour of main
Ultrasonic Frequency: 2.5 MHz
Dimension:100(L)x30(W)x135(H)mm
Weight : 0.5kg
Continuous work time: 8 hours
Package:22x17x7cm/unit



MG124

It's used for detecting the fetal heart rate(FHR) at hospital,clinic,family.
Easy to use
Without LCD display
Built-in speaker
Built-in rechargeable battery
Specification:
Ultrasonic Frequency: 2.5 MHz
Dimension:
60(L)x35(W)x130(H)mm
Weight : 0.5kg
Continuous work time: 8 hours
Package:22x17x7cm/unit



MG125

It's used for detecting the fetal heart rate(FHR) at hospital,clinic,family.
Easy to use
LCD display
Built-in speaker
Direction of FHR value over-limitation
Built-in rechargeable battery
Specification:
Ultrasonic Frequency: 2.5 MHz
Dimension:
60(L)x35(W)x130(H)mm
Weight : 0.5kg
Continuous work time: 8 hours
Package:22x17x7cm/unit



MG126

LCD display with backlight, can be used in any illumination conditions.
High sensitivity probe with 2.0 MHz in continuous wave.
Accurate and reliable FHR detection with clear sound.
Ergonomic design, portable and convenience.
Built-in speaker.
Automatically power off.
Multi-displaying of FHR: number, battery status indicator, voice intensity indicator.
Building-in rechargeable battery and AC recharger.



MG127

LCD can display the FHR, and freeze current FHR data on LCD;
Executive Standard: EN61266: 1995
Ultrasonic frequency: 2.0MHz±10%
Ultrasonic intensity: ≤10mW/cm2
Comprehensive Sensitivity: ≥90dB
FHR range: 60--210bpm(±2bpm)
FHR alarm range: ≤100bpm or ≥160bpm
Isptp: ≤0.1MPa
Battery: 9V dry battery (optional for 9VNi-MH rechargeable batteries and charger)
Maximum audio output intensity: ≤1W,Doppler frequency: 100-3000Hz
Static continuous working time: ≥4h,Working temperature: 10-40℃
Humidity: ≤80%,Atmospheric pressure: 86-106kPa

with a belt,a earphone ,a bottle of adhesive
It can detect the Fetal heart,LCD display FHR,modem inside,can dial-up directly,can transmit the FHR signal to the monitor centre,it's used for detecting the fetal heart at hospital,clinic,family
Technology:Ultrasonic frequency:2.0MHz±10%
Power:9.6V rechargeable battery
Ultrasonic intensity:≤10mW/CM²
Work time:≥5 hours
Turn off auto:1 minute
Unit:size:20.7cmx16.8cmx7.1cm
Packaging:gross
weight:18kg(20pes) size:41.6cmx33.8cmx35.7cm
Disposition:charger,earphone,gel,gallus,manual



MG128

with a belt,a earphone,a bottle of adhesive
Function:It can detect the Fetal heart,LCD display FHR,it's used for detecting the fetal heart at hospital,clinic,family.
Technology:Ultrasonic frequency:2.0MHz±10%
Power:9.6Vrechargeable battery
Ultrasonic intensity:≤10mW/CM²
Work time:≥5 hours
Turn off auto:1 minute
Unit:size:20.7cmx16.8cmx7.1cm
Packaging:gross weight:18kg(20pes)
size:41.6cmx33.8cmx35.7cm
Disposition:charger,earphone,gel,bag,gallus,manual



MG129



MG130

Home use fetal heartbeat products Angelsounds
All to one design
Power with dry batteries (9V)
the probe taking the principal of fetal ultrasound to collect the fetal heart beat signals of fetus
characters: small beautiful appearance, strong ability of processing fetal heart signals, invulnerable to outside interference
Specification:
Utrasound frequency : 3.3 MHz
Acoustic intensity: < 10mW/CM²
Peak negative pressure: <1 Mpa
Output beam intensity: <20mW/CM²
Dimension: 21cmx16cmx8cm
packing:43x47x49cm/30pcs



MG131

Home use fetal heartbeat products Angelsounds
split-type design: separate design between host and probe
power with dry batteries AAA
the probe taking the principal of fetal ultrasound to collect the fetal heart beat signals of fetus
characters: small beautiful appearance, super aerodynamic design; strong ability of processing fetal heart signals, invulnerable to outside interference: isolation of probe and host, small and humane design, which are more convenient to find the place of the fetal heart. The host embedded rock can achieve many people listen the fetal heart sounds at the same time instead of using the external accessories.
Specification:
Utrasound frequency : 3.3 MHz
Acoustic intensity: < 10mW/CM²
Peak negative pressure: <1 Mpa
Output beam intensity: <20mW/CM²
Dimension: 25cmx24cmx8cm
packing:49.5x47.5x37cm/20pcs



MG132

Home use fetal heartbeat products Angelsounds
split-type design: separate design between host and probe to be convenient for finding the place of fetal heart sounds
power with dry batteries AAA
the probe taking the principal of fetal ultrasound to collect the fetal heartbeat(embryocardia) signals of fetus
LCD shows fetal heart rate.
characters:small beautiful appearance, super aerodynamic design; strong ability of processing fetal heart sounds signals(much stronger than the third generation), invulnerable to outside interference: isolation of probe and host,
Specification:
Utrasound frequency : 3.3 MHz
Acoustic intensity: < 10mW/CM²
Peak negative pressure: <1 Mpa
Output beam intensity: <20mW/CM²
Dimension: 25cmx24cmx8cm
packing:49.5x47.5x37cm/20pcs



MG133

Time Fetal Doppler
Safe: Ultrasound dosage is under 50% of the standard.
Durable: Huge capacity battery, work more than 12 hours after full charge.
Convenience: Single key control. Automatic battery recharge and protection.
Sensitivity: FHR of fetus 9 weeks up.
Probe: According to difference of pregnant week, users can select 2.2MHz or 3.3MHz probe.
Probe: Solid and durable, anti-shock and anti-falloing down.
Ultrasound frequency:3.3MHz or 2.2MHz +3%
Ultrasound intensity: <2.5mW/cm2
Display: LED, display time (second)
Power: AC 220V 50Hz, DC18V.
Rechargeable battery: 1100mAh(can work more than 12 hours continuously)
packing:55.5x38.5x36.5cm/4pcs

Digital fetal doppler
Safe: Ultrasound dosage is under 50% of the standard.
Durable: Huge capacity battery, work more than 12 hours after full charge.
Convenience: Single key control. Automatic battery recharge and protection.
Sensitivity: FHR of fetus 9 weeks up.
Probe: According to difference of pregnant week, users can select 2.2MHz or 3.3MHz probe.
Probe: Solid and durable, anti-shock and anti-falloing down.
Ultrasound frequency:3.3MHz or 2.2MHz +3%
Ultrasound intensity: <2.5mW/cm2
Display: LED, display real-time FHR.
Power: AC 220V 50Hz, DC18V.
Rechargeable battery: 1100mAh(can work more than 12 hours continuously)
Size: 240mmx160mmx115mm
Weight:Main body 1.12kg,charger 0.64kg
packing:55.5x38.5x36.5cm/4pcs



MG134

Function:
It can detect the Fetal heart,it's used for detecting the fetal heart at hospital,clinic,family.
Technology:Ultrasonic frequency:2.0MHz±10%
Power14.4V rechargeable battery
Ultrasonic intensity:≤10mW/CM²
Work time:≥8 hours
Unit:gross
weight:3kg size:34cmx25cmx17cm
weight:12kg(4pcs)
size:52cmx36cmx36cm
Disposition:charger,manual



MG135

2M/3M choose one probe USD181.9/SET(with2M&5M Probes)
Function:It can detect the Fetal heart,LED display FHR,it's used for detecting the fetal heart at hospital,clinic,family.
Technology:Ultrasonic frequency:2.0MHz±10%
Power:14.4Vrechargeable battery
Ultrasonic intensity:≤10mW/CM²
Work time:≥6 hours
Unit:gross weight:3kg size:34cmx25cmx17cm
weight:12kg(4pcs) size:52cmx36cmx36cm
Disposition:charger,manual



MG136

It's used for detecting the fetal heart rate(FHR) at hospital,clinic,family.
Easy to use
Built-in speaker
Without LCD display
Built-in rechargeable battery
Specification:
Ultrasonic Frequency: 2.5 MHz
Dimension:185(L)x190(W)x130(H)mm
Weight: 1.3kg
Continuous work time: 8 hours
Package:30.5x23.5x16cm/unit,
45x36x50cm/carton,
5units/carton,GW:9KG,NW:7.8KG



MG137

It's used for detecting the fetal heart rate(FHR) at hospital,clinic,family.
Easy to use
LED display
Sound alarm function when FHR is out of the normal range
Built-in speaker
Built-in rechargeable battery
Specification:
Ultrasonic Frequency: 2.5 MHz
Dimension:185(L)x190(W)x130(H)mm
Weight : 1.3kg
Continuous work time: 8 hours
Package:30.5x23.5x16cm/unit,
45x36x50cm/carton,5units/carton,
GW:9KG,NW:7.8KG



MG138

It's used for detecting the fetal heart rate(FHR) at hospital,clinic,family.
Easy to use
Two LED display FHR of real-time and average
Built-in speaker
Sound alarm function when FHR is out of the normal range
Built-in rechargeable battery
Specification:
Ultrasonic Frequency: 2.5 MHz
Dimension:185(L)x190(W)x130(H)mm
Weight : 1.3kg
Continuous work time: 8 hours
Package:30.5x23.5x16cm/unit,
45x36x50cm/carton,
5units/carton,GW:9KG,NW:7.8KG



MG139



MG140



MG141

Detect the blood stream status of arterial/venous by 8.0 MHz, detect the blood flow average velocity, and detect the result of finger/toes and part of body's vein anatomies operation;
Ultrasonic frequency: 8.0MHz±10% (5.0MHz for option)
Speed measuring range: 0--100cm/s
Graphic display range:0--60cm/s
Speed measuring error: < 20%(comparative error)
The bloodstream average is obtained according to upper graphics of the three former pulse beating.
Gain:> 100dB
Equivalent noise:<200NV(input port)
Battery: 14.4V/1600mAhNi-MH rechargeable batteries
Power: 24V/1.5A
Frequency band: Main unit: 200±80-5000±1000Hz
Probe: 350±80-2500±500Hz
Audio band width: 200Hz-7000Hz
Transmit graphics: sine wave
Output: loudspeaker single track earphone jack
Indication way: Display the waveform and the detecting result of the blood stream average velocity and the spectrum line, spectrum line and waveform indicate the direction and contrast direction of the blood stream speed, probes detect the optimal position
Power indicator: LBD(blue)
Green for working and orange for lack of paper.
Audio frequency output: Vascular Doppler Sound
No distorted power:> 10mW
Output signal: bloodstream speed, bloodstream intensity, blood stream sound
Output impedance: Blood stream speed 5KΩ, acceleration 5KΩ, audio Doppler blood stream1KΩ
Charging indication: yellow for charging, green for full-charge

Detect the blood stream status of arterial/venous by 8.0MHz; detect the blood flow average velocity, detect the result of finger/toes and part of body's vein anatomies operation.
LCD can display the waveform and the detecting result of the blood stream.
Infrared port can transmit the data to computer.
Specifications:
Ultrasonic frequency: 8.0MHz±10%
Battery: 7.4V/900mAhrechargeable Lithium
Input voltage: DC 9V 1000mA
Doppler frequency: 100--7000Hz
Display: LCD 128×96 dots, display blood stream average velocity, PK, time, volume and battery
Working temperature: 10-40℃
Humidity: ≤80%
Atmospheric pressure: 86-106kPa



Two Parameters:NIBP,Pulse Rate.
Compact,small,light,easy for carrying and handling.
LED and LCD display.
Audio and visual alarm and limit being set freely
Storage and review of patient's data up to 900 groups which is never lost even when power's off.
Two kinds of reviewing the data:In list or in single group.
Three kinds of power supply,AC Power,Build-in rechargeable Li battery and Common AA alkaline or rechargeable batteries.
Automatic power-off without signal for 10 min.
Patient's trend can be transmitted to a personal computer for display,saving and printing.
Suitable for adult and pediatric.

MG142

Pulse Oximeter Series



Two parameters:SPO2,Pulse Rate.
Tiny,light,"all-in-one" integrated clip design,easy for carrying.
LED screen with SPO2,PR and Pulse strength measurement.
Immediately,real-time spot-check.
Single button interface,easy for operation.
Common AAA alkaline or rechargeable btteries.
Low battery power indicator.
Automatic power-off.

MG143



Small & lightweight design (total 28g without batteries)
Digital LED display
Display SpO2,PR,Pulse bar
Low power consumption
automatically power off
Battery-low indicator
2 AAA alkaline or rechargeable batteries
Accommodates widest range of finger sizes from pediatric to adult
Standard Accessory
2 AAA Alkaline batteries

MG144



Two parameters:SPO2,Pulse Rate.
One wavefom:SPO2 waveform(PLETH).
64k COLOR OLED Display.Four Direction adjustable.
SPO2 and PR monitoring,and Waveform display,PR strength.
Easy to use with one-key operation.
Low voltage alarm display,Auto power-off.
Light weight of 55g(batteries included).
Runs on standard AAA batteries.

MG145



Fingertip Pulse Oximeter (SPO2,PR); CE marked
Mini and light design with "all in one" integrated for easy carrying
OLED screen to display measurements of SPO2, PR and pulse strength
Immediate and real time spot check
Sinlge button interface for easy operation
Common AAA alkaline or rechargeable battery supporting 3 hour continuous operation
Indicator to display low battery capacity
Automatic power off

MG146



MG147



MG148

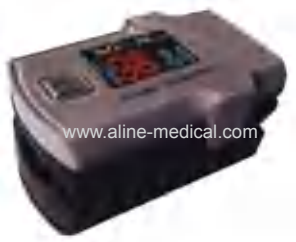


MG149

Introduct:4-Direction Display automatically Two Color OLED Display, Six display modes
Features & Benefits:
1. Two Color OLED Display, Six display modes.
2. 4-Direction Display automatically.
3.Visual alarm function. Real-time spot-checks.
4. Low Power consumption. 50 hours continuous to work.
5.Low Perfusion ≤0.4%.
6. Low voltage indicator.
7. Automatic power off when no signal.
8. Reliable accuracy and durability.
9. Small and light weight, convenient to carry.
10. Vacuum-galvanization technique and UV printing technology employed to create this wonderful product with specular appearance, it is fashion and durable.

Small & lightweight design (total 28g without batteries)
Dual color OLED display
Display SpO2,PR,Pulse bar and Plethysmogram
6 display modes
Low power consumption, automatically power off
Battery-low indicator
2 AAA alkaline or rechargeable batteries
Adjustable brightness
Accommodates widest range of finger sizes from pediatric to adult
6 Display modes:
Pulse oximeter is a very important and common device to check patient blood-oxygen saturation

1. Easy & simple operation
2. Small and light weight (50g including batteries)
3. OLED Display: SpO2, PR,Pleth Bar,Pleth waveform
4. Low power consumption, can work min 30 hours continuously with 2 AAA batteries
5. Automatically power off 8 seconds after usage
6. Low battery indicator
7. Multi-direction display (6 modes)
8. Wide application, suitable hosptial on spot test and home care.



MG150

Small & lightweight design (total 30g without batteries)
Dual color OLED display
6 display modes
Display SpO2,PR,PI,Pulse bar, Plethysmogram
Low power consumption, automatically power off design
Battery-low indicator
2 AAA alkaline or rechargeable batteries
Adjustable brightness
Accommodates widest range of finger sizes from pediatric to adult
6 Display modes
Pulse oximeter is a very important and common device to check patient blood-oxygen saturation



MG151

"All-in-one" integrated finger device
Simple operation for immediately, real-time spot-checks
Reliable accuracy and durability
24 hours continuous use
Automatic power-off design
Can easily change direction of display
Standard Accessory:
2AAA Alkaline batteries
Operating manual
Hang string



MG152a

Handhold design,compact,light for carrying and handling
Bright,easy-to-read LED numerals
Advanced digital processing technology
Accurate measurement during low perfusion
Anti-movement,stable performance
Suitable for adult,pediatric and neonatal patients
Convenient AA size alkaline or rechargeable batteries
4 AA batteries provide 24 hours of continuous operation
Parameter:Digital SPO2,Pulse Rate, Pulse bar
Optional:Nellcor SPO2



MG152b

Spo2 Range:50%-100%
Accuracy:≤±2%(90%-99%)
≤±4%(70%-89%)
≤±6%(50%-69%)
Method:Dual wavelength LED
Pulse Rate Range:30-250bpm
Accuracy:±1bpm
Battery Type:1.2VX5pcs rechargeable NiMH batteries 2000-2300mAh
Life:Approximately 20 hours for normal Measurement status
Alarm:Low power light alarm
Ambient Temperature:5℃-40℃
Relative Humidity:≤85%
Storage Humidity:≤80%
Safety:Class I, Type BF



MG153

Patient Range:Adult, Pediatric and Neonatal
SpO2:Range 0%-100%,Resolution 1%
Accuracy:70%-100%: ±2%,0%-69%:unspecified
Method Dual wavelength LED
Heart (Pulse) Rate
Range 25-254 bpm,Resolution 1bpm
Accuracy ±2bpm or ±2%
Alarm:Alarm SpO2, probe off
Modes Audio, visual, information
Display:Type Backlit LCD
Parameters SpO2, PR, Pleth waveform, Pleth bar.
Information SpO2 & PR trend, browse,Low power, error, time
Storage:Data records up to 1,440
Size:150 x 94 x 47 mm Weight :440g
Battery:Type 4 AA Alkaline batteries or 4 AA rechargeable batteries
Operation time Approximately 24 hours for normal



MG154

Two parameters:
SPO2,Pulse Rate.
Small,light,easy for carrying and handling.
Brightness LED displays,easy to read,and the brightness can be adjusted.
AA common alkaline or rechargeable battery.
Audio and visual alarm,and limit being set freely.
Automatic power-off.Battery capacity indicator.



MG155

Three Parameters:
SPO2,Pulse Rate,TEMP.
Waveform:SPO2 waveform-PLETH.
Compact,small,light,easy for carrying and handling.
LCD display of measurement and PLETH.
Intelligent parameter monitoring interface.
Audio and visual alarm,and limit being set freely.
Storage and review of patient's trend data up to 36 hours which is never lost even when power's off.
AA common alkaline or rechargeable battery.
Battery capacity indicator,Automatic power-off.
Patient's trend can be transmitted to a personal computer for display,saving and printing.



MG156

Utility PC software package for long time monitoring,web transferring
History data uploading/review/printing/storage
Intelligent measuring of ECG,NIBP,SPO2,PR,TEMP and PLETH
Friendly user interfaces,touch screen,bright color LCD real time display
Storage and review trend data up to 3888 groups
Palm,compact,easy for carrying and operation
Built-in rechargeable Li-ion battery
Low battery power indicator
Automatic shut down,low power consumption



MG157

Compact and light structure for easy carrying and handling
Touch screen (3.8 inch 320x240 LCD) for free change and display of all parameters including ECG, NIBP, SPO2, TEMP, PR and HR
Unique display information of character and icon for easy setting and observation
Ability to permanently store 36 hours graphic and tabular trend for recall
Built in rechargeable Ni-MH battery supporting at least 6 hour continuous operation
Indicatorfrom alarm of low battery capacity
Automatic power off
Minimum Order Quantity: 4pcs



MG158

Three Parameters:SPO2,Pulse Rate,TEMP(Optional).
Waveform:SPO2 waveform-PLETH.
Compact,small,light,easy for carrying and handling.
LCD display of measurement and LCD display of PLETH.
Audio and visual alarm,and limit being set freely.
Storage and review of patient's trend data up to 36 hours which is never lost even when power's off.
Three kinds of power supply.AC Power,Build-in rechargeable Li battery and Common AA alkaline or rechargable batteries.
Battery capacity indicator;Automatic power-off.
Patient's trend can be transmitted to a personal computer for display,saving and printing.



MG159

Small, portable and easy to operate
Completely cable and electrode free
Fast measurement in just 30 seconds
24 hours records of ECG Strips, each record with 30-second ECG waveform and analysis result
Measurement of one channel ECG anytime, anywhere you like
Display of ECG waveform, heart rate, analysis results and battery status on the backlit LCD
Measurement results transmission to PC by USB mode
Auto power-off while no key is pressed in 30 seconds
Auto-evaluation based on detected heart data
Dual measuring modes
2 batteries can take at least 500 times measurement
Data Review freely

PORTABLE ULTRASOUND SYSTEM



MH1

Digital Ultrasonic Diagnostic Imaging System

Digital beam-former
Two transducer connectors
Abundant reproductive software package -Dog, Cat, Equine, Bovine and Ovine
Multi-frequency transducer series
Max frequency up to 10MHz
TSI (Tissue Speciality Imaging)
10" non-interlaced monitor
Standard Configuration:
10" non-interlaced monitor
Two transducer connectors
Multi-language function
256-frame cine loop
90 images built-in storage
Two USB ports
Over 200 reproductive reports storage and management
Measurement & calculation software packages
Electronic convex array transducer: 35C50EA (2.5/3.5/6.0MHz)
Or Electronic micro-convex array transducer: 65C15EAV (5.0/6.5/8.0MHz)



Optional:
Electronic linear endorectal transducer: 50L60EAV (4.0/5.0/6.0MHz)
Electronic linear endorectal transducer: 75L50EAV (5.0/7.5/10MHz)
Electronic linear array transducer: 75L38EA (5.0/7.5/10MHz)
Electronic linear array transducer: 75L60EA (5.0/7.5/10MHz)
Electronic micro-convex array transducer: 35C20EA (2.0/3.5/6.0MHz)
Needle-guided brackets
DICOM3.0
Mobile trolley
Water-resistant footswitch NEW
Hand carried bag NEW
Multi-frequency Tranducers:65C15EAV Micro-convex
Application: Small Animal,35C50EA Convex
Application: Abdomen, OB, Urology,50L60EAV Endorectal
Application: Big Animal,75L50EAV Endorectal
Application: Big Animal,75L38EA Linear
Application: Small Parts, Musculoskeletal
75L60EA Linear
Applications: Orthopedics, Breast, Musculoskeletal
35C20EA Micro-convex
Application: Pediatric, Cardiac





MH2

Digital beam-former
Two transducer connectors (optional)
Abundant reproductive software package -Dog, Cat, Equine, Bovine and Ovine
Multi-frequency transducer series
Max frequency up to 10MHz
10" non-interlaced monitor
Standard Configuration:
main unit,10" non-interlaced monitor
One transducer connector,Multi-language function
128-frame cine loop,90 images built-in storage
Two USB ports
Over 200 reproductive reports storage and management
Measurement & calculation software packages
Electronic convex array transducer: 35C50EB (2.5/3.5/5.0MHz)
Or Electronic micro-convex array transducer: 65C15EAV (5.0/6.5/8.0MHz)
Optional:
Electronic linear endorectal transducer: 50L60EAV (4.0/5.0/6.0MHz)
Electronic linear endorectal transducer: 75L50EAV (5.0/7.5/10MHz)



Electronic linear array transducer: 75L38EB (5.0/7.5/10MHz)
Electronic linear array transducer: 75L60EA (5.0/7.5/10MHz)
Electronic micro-convex array transducer: 35C20EA (2.0/3.5/6.0MHz)
Needle-guided brackets
Two transducer connectors
Mobile trolley
Water-resistant footswitch NEW
Hand carried bag NEW
Multi-frequency Tranducers:
65C15EAV Micro-Convex
Application: Small Animal
50L60EAV Endorectal
Application: Big Animal
75L50EAV Endorectal
Application: Big Animal
35C50EB Convex
Application: Abdomen, OB, Urology
75L38EB Linear
Application: Small Parts, Musculoskeletal,75L60EA Linear
Application: Orthopedics, Breast, Musculoskeletal
35C20EA Micro-convex
Application: Pediatric, Cardiac





MH3a/MH3b

MH3a Extensive clinical application in abdomen, cardiology,obsterics and gynecology,urology and superficial organs.
Connfiguration:
Main unit(dual sockets),2.5/3.5/4.0/5.0MHz Convex probe,6.5/7.0 MHz Trans-vaginal probe
Options:
Cine loop,Color ultrasound imaging system,Video-Graphic printerOther probes
Technical Features:
Digital imaging processing technology
Advanced transducer multifrequency technology
8-segment STC adjustment
Affordable and economical
Focus method:17 stages of dynamic focusing & acouslical lens locusing
Imaging Processing:8 frame correlations image pre-pocessing 8 adjustment image post processing
Scanning mode:Convex,Micro-convex and linear array
Memory capacity:512x512x8bits
Zoom:x1.0,X1.2,X1.5,X2.0
Monitor:10 inch VGA monitor,non-interlace
Optical track ball
Voltage and current surge protector
Rich OB software and cardiac software
Depth Scope:0-200mm
Voltage:220V/110V
MH3b Configuration:
Main unit,2.5/3.5/4.0/5.0MHz Convex probe
Options:
Cine loop
Color ultrasound imaging system
Video-Graphic printer
Application for scanning and diagnosing of liver,gallbladder,kidney,spleen,intestine & stomach,pancreas,thyroid,breast and superficial organs
Standard specilication:
Main unit:7.5 MHz Rectal probe
Option:
Printer,Color image workstation,Cine loop,
3.5MHz Rectal probe
Technical Features:
Digital images processor
Focus method:adjustable caliber,17 steps dynamic combined focusing and acoustic penetrating mirror focusing.
Scanning method:electronic linear,electronic convex and micro convex
Mode of Display:B.B/B,B/M,M
Detecting Depth:200mm
Grey scale:256
Image processing:8 fame-relation treatments and 8 Gamma calibration for different image demands.
STC adjustment with digital stop control for any points in the image,which enable the doctor to get the ideal image.
Image zoom:1.0,1.2,1.5,2.0
Monitor:10‘ flat VGA Monitor,no interlace,Rich measuring software and characters display
Voltage and current surge protector
Security:GB10152-1997,GB9706.1-1995 National ultrasound equipment security standard.





MH4

Wide Application:adds to your clinical versatility!

CHISON Probes			Frequency (MHz)		Applications								
Out-look	Probe Model	Scanning Method	Main Frequency	4-Step Multi-frequency	Abdominal	OB / GYN	Urology	Small Parts	Breast	Cardiology	Proctology	Paediatrics	Vessels
	C60	Convex	3.5MHz	2.5/3.5/4.0/5.0MHz	●	●	●		○	○			
	L700	Linear	7.5MHz	5.0/6.0/7.5/9.0MHz				●	●			○	●
	C14	Micro-convex (Transvaginal)	6.0MHz	4.5/6.0/7.0/8.0MHz		●	●		○	○	●	●	

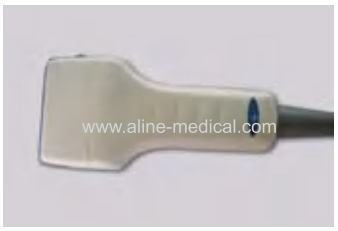
● Main Application ○ Alternative Application

Scanning Methods:Electronic Convex/Electronic Linear/Electronic micro-convex
Applicatons:Abdominal,Obs/Gyn,Small parts,Urology,Cardiology,Proctology
Display Modes:B,B/B,B/M and M(4 steps sweep speed selection)
Scanning Technique:Real-time dynamic imageing:CDA,CDF,DFS
Scanning Depth:240mm Max.(Depend on the probe types)
Probe Frequency:2.5MHz-9MHz(Depend on the probe types)
No.of Probe Connectors:1(standard),2(optiona)
Gray Scales:256 levels
Monitor:10-Inch,SVGA non-interlaced display
Cine-memory:64 Frames
Permanent Storage:8 frames Max.
Image Recording Device:record still and CINE images(more than 30 minutes)on PC (optional)
Focusing Methods:4-stage transmitting & receiving focus.Dynamic aperture cntrol
Image Processing:IP selections:4-steps,Linear averaging:4-steps,STC Curves:8,TGC through Near,Far,and overall Gain controls
Image Reversing:Left/Right,Up/Down,Positive/Negative
Zooming:x1.0,x1.2,x1.5,x2.0 with scroll-up depth control
Measurements:Distance,circumference,area,volume(by trace/ellipse),Full Obs/Gyn software,7 EDD tables:BPD,GS,CRL,FL,AD,HC,AC,Gestation Age(G.A):4th-43rd week,Fetal weight,fetal heart measurement,15 body marks
Documentation:Full screen documentation,hospital name,patient name,date/time
Power Supply:AC 230V±10%,50Hz(standard);110V±10%,60Hz(depends on customer needs)
Standard System:Main unit + 3.5MHz convex probe + 1 probe connector
Options:7.5MHz linear probe,6.0MHz transvaginal probe,2nd-probe connectors,Video,printer,Biopsy Kit,trolley,Image Recording Device



MH5

Software Functions
Measurement and calculation: measure perimeter and area by distance or ellipse method; measure perimeter and area by track method; measure body surface area and volume by ellipse method. 4 measure sticks; rate measure; linear stenosis ratio, area stenosis ratio, angle measure. All calculations are automatic.
Assist tools: puncture guide, histogram, sectionl drawing
Menu manage interface, real time online support and navigation clew system, image fore-set and one-key optimization functions
Auto-measure software of OB., Gyn., small organs, cardiac, urology and others:
OB.: BPD, CRL, GS, HA, AC, HC, FL, APAD, TAD, FTA, HUMERUS, OFD, THD, TIBIA, ULNA, FI, LIMP, BBT, FBP
Gyn.: uterus diameter, intima thickness, ovary colume, regnant ovarian follicle, length of cervix long-diameter, uterine
Small organs: thyroid gland, hip joint
Cardiac: AOD, LAD, IVSTd, LVIDd, AA, LAD/AOD, LVPWd, LVIDs, EF, EF SLP, CA/CE, MVCF, CO, CI, LVMWI, AVSV, FS, ACV, ET, SV, SI, LVMW, QMV
Urology: remained urine sample, prostate,PSAD
Presetting system for diagnosis and measurement formulas. Different formulas could be set according to different races.
Patient cases database systems. All the data could be saved, searched and managed
Multiple kinds of OB. measurement reports, fetus physiological grades and reports and fetus growth curve
Auto-create report systems of Gyn., small organs, cardiac, urology and other sections
Standard Configuration
Main unit
10.4 inches SVGA high resolution non-interlaced monitor
256 frame auto/manual cine loop; multi screens cine loop (4B, 9B); auto/manual cine loop under B/M and M mode
Two probe connectors
Two USB ports
3.5MHz R60/R50 electronic convex transducer(2.0/5.0MHz)
Optional
7.5MHz L40 linear probe (5.0/10.0MHz, multi-frequency)
6.5MHz R10/R13 trans-vaginal probe (5.0/8.0MHz, multi-frequency)
3.5MHz R20 cardiac probe (2.0/5.0MHz, multi-frequency)
Trolley
Jet printer, Laser printer, Video printer and video recorder



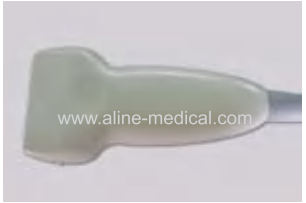




MH6

Features
Laptop design
15 inches high-resolution LCD
8 TGC controls
High-quality images
Broadband multi-frequency transducers
Cineloop
Two USB ports
Two connectors
Pseudo Colors
Standard Configuration
Main unit
15 inches high-resolution LCD
256-frame cineloop
Two probe connectors
Two USB ports
3.5MHz electronic convex transducer(2.5/5.0MHz)
Optional
Electronic transvaginal transducer (5.0/7.5MHz)
Electronic high-frequency linear tranducer (6.5/8.5MHz)
Trolley
Video Printer

Specifications
Dispaly:15 inches high-resolution LCD
Scanning Mode:Electronic convex array, Electronic linear array
Display Mode:B, B/B, B/M and M
Magnification:x0.8, x1.0, x1.2, x1.3, x1.5, x1.6, x1.8, x2.0
Gray Scale:256
Adjustment:A, B, C, D, E, F, G,H
Resolution:Horizontal≤2mm, Vertical ≤1mm
Geometrical Precision:≤5%
Blind Area:≤3mm
TGC:8-section TGC adjustment
Pseudo Colors:Yes
Display Depth:240mm and depth could be increased
Image Polarity:Left/right, positive/negative and up/down
Cineloop:Successive 256 frames
Output Interface:Three output interfaces: 1 VGA and 2 PAL video signal output
Power Supply Range:AC 110V60Hz, 220V50Hz







MH7a

Digital ultrasound imaging system

Digital Imaging Technology
Broadband Multi-frequency Probe
Digital Image Storage
Abundant Application Software
10-inch High Resolution Monitor

This is a B/W digital ultrasound imaging system. It has streamline appearance, good image resolution, stable performance and powerful functions. It is adaptable in various environments, including clinics and hospitals.

Advanced Technology:

By following SIUI's traditional precise manufacture process, This incorporates advanced digital imaging technology and adopts components such as super large-scale ASIC, programmable FPGA and CPLD with large memory. The system is stable in performance and reliable in quality.

High Density, Broadband, Triple-frequency Probes:

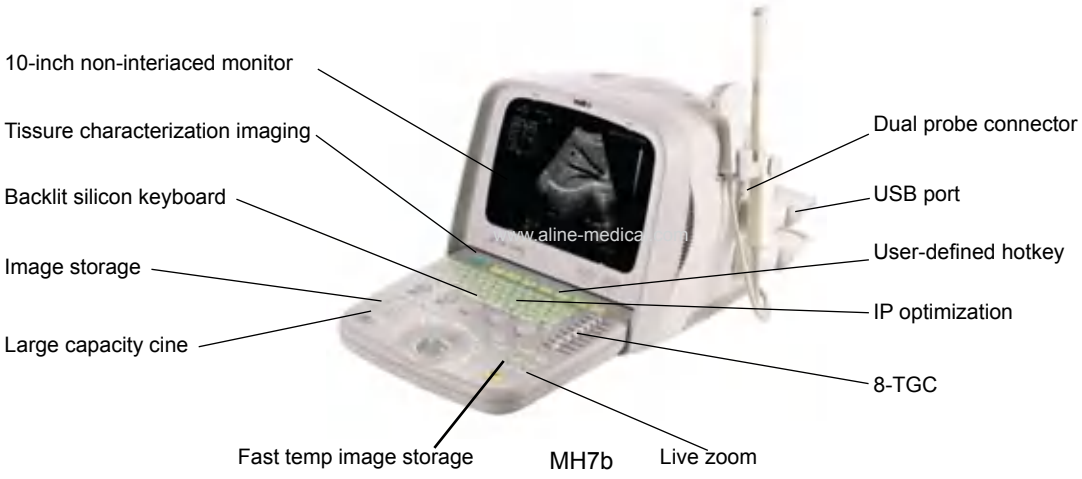
The system is configured with high density, broadband, multi-frequency probes. Probe frequency can be switched quickly by pressing one console button only, enabling doctors to select the right frequency for specific diagnosis and patients. Image resolution and penetration is significantly optimized.

Image Storage and Communication:

Images can be stored and directly transmitted to a computer, thus to realize digital image management.

Ergonomic Design:

Large cine memory: to capture fast-moving info and enable accurate diagnosis
Backlit keyboard: good for dark room operation
Non-interlaced monitor: flicker free, perceptive to details
Additional trolley: perfect match for the system



MH7b

high-end digital ultrasound imaging system

Digital Beam Forming Technology
Broadband Five-frequency Probes
Powerful Document Management System
Professional Software Package

It is a high-end digital ultrasound imaging system. It adopts high-density super-broadband five-frequency probes and digital imaging technologies, to achieve clear image quality. Powerful functions and configurations such as large capacity image storage, cineloop, USB ports, dual-probe connectors, 8-TGC, backlit silicon-gel keyboard and non-interlaced monitor are integrated in the system.

Powerful System Functions:

Unique High-Definition Zoom Function:When zooming the ROI, the user can double the acquired data, enabling higher tissue resolution and finer images.

User-defined Function Key:The user can assign a frequently-used function (e.g. BPD) on a certain key (e.g. F1), so as to address doctors'preferential clinical demands.

PIP (Picture-in-Picture) Function:The user can zoom in any region of interest(ROI), while maintaining the original diagnostic image for reference, to observe the zoom-in part clearly, thus diagnostic efficiency is improved.

User-defined Function Key:The user can assign a frequently-used function (e.g. BPD) on a certain key (e.g. F1), so as to address doctors'preferential clinical demands.

Invertible Image Orientation:Images can be inverted not only up/down/left/right, but also 90°continuously. The doctors may observe images as they prefer, clear at a glance in clinical exchange.

Smart Tracing Function:When measuring area or circumference, if the trace is not good, press Backspace to return to the proper place and then continue tracing.

IP One-key Optimization:One key for eight-parameter adjustment, easy image optimization.



Storage Media:Hard disk, CD, USB disk and DICOM
Storage Formats:BMP, JPG, CTS, CIN and AVI
Cineloop:Each file has up to 256 frames, play back speed adjustable.
Annotation:300 annotations for recall, user-defined annotations allowed.

Off-line Diagnostic Function:For off-line review and analysis of diagnostic process.

Auto Creation of Report:All the measurement results are entered in the report without inputting manually and an image and file report is created automatically.

Extensive Clinical Application and Abundant Software:

The system has a wide range of clinical applications and analysis software for Abdomen, Urology, GYN, OB, Small parts, Peripheral vascular, Cardilogy and Orthopedics.

OB: GA and EDD can be calculated automatically.
More than 15 calculations for fetal weight
Fetal growth curves coming from 8 equations
Fetal biophy profile
Dominant follicle monitoring software and triplet analysis software
OB equation setup specific to races, with more accurate diagnostic results
Urology: Software includes residual urine measurement, prostate specific antigen density (PSAD), etc.
Orthopedics: hip joint measurement

High-Density Broadband Five-frequency Probes:

The system is configured with high density broadband multi-frequency probes. Probe frequency can be switched quickly by pressing one console button only, enabling doctors to select the right frequency for specific diagnosis and patients. Image resolution and penetration is significantly optimized.

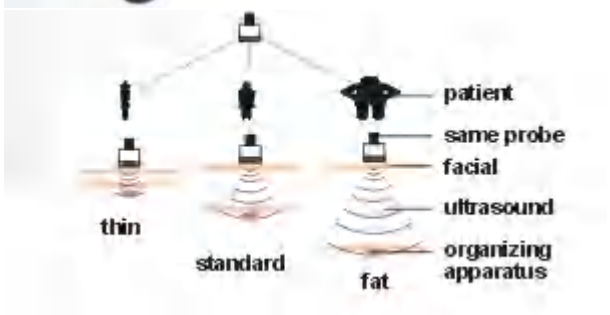


MH8

Main Function
Scanning mode:B, B/B, B/M, M, varied magnifications and the image is scrollable.
Focus:Electronic focus:Acoustical lens focusing, single focus and mutiple focus are provided.
Cine Loop:256 frames
Image processing:Part zoom in real time, gray curve control, STC curve, edge enhancement, dynamic range, frame correlation, 256 gray scale, 256 frames cine loop and 16 images storage, image reverse function
Body Mark:60 kinds
OB Table:Tokyo, Hadlock, Hansmann
Measurement & Calculation :Distance, circumference, area, volume, heart rate, depth, time, velocity, LV (Left Ventricle), AO (Aorta), MV (Mitral Valve), RV/LV, GS, BPD, CRL, FL, GL,TAD, LV, OFD, AC, HC, pregnant week and fetal weight. OB table (Tokyo, Hadlock, Hansmann), LMP functions.
Video Out:PAL-D,SVGA
Character Display:ID, date, time, focus, guage, hospital name, measuring value, gray scale, probe type and frequency, probe position, display mode, scanning direction, multiple-ratio, puncture guide line, 60 body marks, image process information and notes.
Other Function:Software update function, OB Report
Standard Configuration:Main unit with SVGA, a 2.5 – 5MHz convex probe, 256 Frames cine loop, 16-32 images storage card.
Options:
2.5-5MHz convex heart probe (HY7202C3R15)
5-7.5MHz convex vaginal probe (HY7223C6)
2.5-5MHz linear abdominal probe (SJN7211L3A)
3.5-6.5MHz linear rectal probe (HY7201L5)
6.5-8.5MHz linear facial probe (HY7222L7)
Trolley, B/W video printer.



Ultrasonic/CD/Agnostic system
The protable ultrasonic diagnostic system,which combines manifold innovating technologies of 256 gray scale and high density,broadband,large angle multi-frequency probe,is suitable for work in low,middle,high frequency,as well as for examination and diagnosis of abdomen,gynecology,OB/GYN,heart and small parts.



Advanced probe technology
Working in the frequency from 2.5MHz-8.5MHz,six kinds of multi-frequency probes can be equipped to meet the needs of clinic.





MH9

Ultrasound Scanner
Features:
Full digital beam-forming technology
10 inch VGA monitor.
Four probes acceptable: convex, linear, transvaginal and endorectal.
Measurement: distance, circumference, area, volume, heart rate, GA, EDD
More than 40 body marks.
Folded soft push keyboard, trackball provides immediate, convenient and flexible operation.
PAL-D video output offers connection to external video image printer.
USB 2.0 for real-time picture uploading to PC.
Display date, time, name, sex, age, doctor and hospital name annotation.
Folded soft push keyboard, trackball provides immediate, convenient and flexible operation
Standard Accessories: Convex Probe, Micro-convex probe , Transvaginal probe, Endo-Rectal probe



3.5MHz convex probe 7.5MHz linear probe 7.5MHz transrectal probe 5.0MHz convex probe 6.5MHz transvaginal probe



MH10

Ultrasound Scanner
Features:
Full digital beamforming technology
8-Segment TGC adjustment
GAMA correction, histogram
Automatic report generation(Normal/OB)
Scanning angle adjustment
16 Level scanning depth adjustment
keyboard with backlight
Standby mode for saving energy and extending screen life
Display date, time, name, sex, age, doctor and hospital name annotation.
USB 2.0 for real-time picture uploading to PC
Standard Accessories: Convex Probe, Micro-convex probe , Transvaginal probe, Endo-Rectal probe



Needle-guided brackets



3.5MHz convex probe



7.5MHz linear probe



7.5MHz transrectal probe



5.0MHz convex probe



6.5MHz transvaginal probe

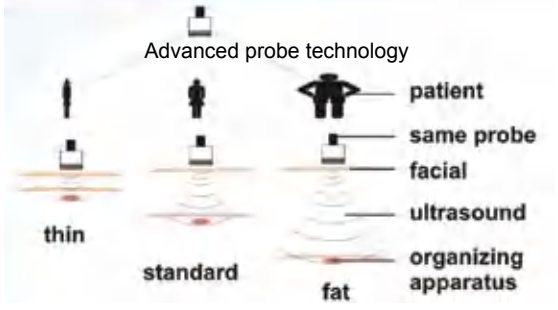


MH11

Scanning Mode:B, B/B, B/M, M, varied magnifications and the image is scrolled.
Focusing:Electronic focusing+ Acoustic lens focusing, single focus and multiple focus are provided.
ZOOM:X1,X1.2,X1.5,X2(according to probe selected)
Detectable Depth:180mm
Angle On the probe:60° for convex probe,86° for transvaginal probe
Image processing:Y adjustment, window curv control,edge enhancement,dynamic range,frame correlation,image reverse function.
Measuring:distance,proportion,angle,perimeter,area,volume,heart rate,LV,Pregnant week,fetal weight and ex-pected date of childbirth.
Character Display:Name of hospital,ID number, date, time,probe position,body marks,focus,256 gray scale; puncture guideline and image process information.
Additional Function:screen protects and probe protects,
Video Out:PAL
Standard configuration:Main unit with 10”monitor,3.5MHzR60 convex probe(Multi-frequency),32-256 frames cine loop card.
Option configuration:6.5MHzR15 transvaginal probe (Multi-frequency),7.5MHz linear probe (Multi-frequency),Trolley,video printer,two probe connectors



Advanced probe technology



Ultrasonic Diagnostic System
The machine are designed with high technology and complete range of function,suitable for the medical examination of abdominal organs,gynecology,vein,urology,heart and small organ,ect.So they are ideal instruments to meet the needs of various kinds of hospitals and clinics.









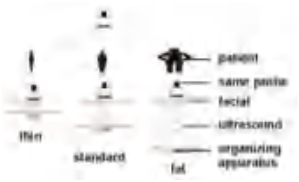
MH12

B/W Ultrasonic diagnostic system
It with reasonable design and advanced technology,which adopts FPGA,CPLD,CMOS,SMT,etc for execllect performance.Hy3100 B/W ultrasonic diagnostic system with sharp image can connect various multi-frequency probes to satisfy clinical needs.It applies lots of advanced intermational digital image process technology and software technology including two probes connectors,probe switching automatically,pre-zoom of dynamic,broad band and low noise,double echoprocess technologyCDA,CDF,dynamic filter,TGC,part zoom,in real time,frame correlation,DSC,etc.The equipment is suitable to examine abdomen,gynecology,OB/GYN,car diac and small parts,which is ideal equipment for hospitals at different levels in towns and countryside.

Scanning Mode: B, B/B, B/M, M, varied magnifications and the image is scrollable.
Focus: Electronic focusing+ Acoustic lens focusing, single focus and multiple focus are provided
Image Procesing:part zoom in real time,y adjustment, window curv control, STC curve,edge enhancement,dynamic range,frame correlation,256 gray scale,cine loop and image storage,image reverse function
Measuring: distance, perimeter,area, volume, heart rate, depth, time,speed,LV(Left ventricle),AO(Aorta),MV(Mitral Valve),RV/LV,GS,BPD,CRL,FL,HL,TAD,LV,OFD,AC,HC,Pregnant week and fetal weight It has OB report and LMP functions.
Character Display: Name of hospital,ID number, date, time,guage,measuring value,probe types and frequency, scanning direction,display mode,multiple-ratio,focus,probe position,60 body marks,gray scale,puncture guide line,image process information and notes
Additional Function: screen protects and probe protects,light keyboard,permanent storage and softwarr upgrade function
Video Out: PAL,SVGA
Standard Configuration:Main unit with SVGA,2.5-5MHz convex probe,256 frames cine loop,







Advanced probe technology
Working in the frequency from 2.5MHz-8.5MHz,six kinds of multi-frequency probes can be equipped to meet the needs of clinic.

Option Configuration:2.5-5MHz convex heart probe(HY7202C3R15),
5-7.5MHz convex vaginal probe(HY7223C6),
2.5-5MHz linear abdominal probe(SJN7211L3A),
3.5-6.5MHz linear rectal probe(HY7201L5),
6.5-8.55MHz linear facial probe(HY7222L7),
B/W video printer,
16 or 32 frames image storage card



MH13

Digital Ultrasonic Diagnostic Imaging System
Features:
Multi-purpose ----- abdomen, urology, gynecology, obstetrics, small parts, endocavity, orthopaedics and intervention
Transducer technology ----- high sensitivity, wide band and triple-frequency transducer series
Max frequency up to 10MHz
80G hard disk
Two USB ports and one RS-232 port
Standard CD-R/W and optional DICOM3.0
14" non-interlaced monitor ----- realizing high definition images
Standard Configuration:
main unit
14" non-interlaced monitor
CD-R/W
256-frame cine loop in B, B/B, M and B/M mode
Built-in patient information management system
80G hard disk
Two USB ports and one RS-232 port

Measurement & calculation software packages
Electronic convex array transducer: 35C50EA (2.0/2.5/3.5/5.0MHz)
Optional:
Electronic liner array transducer: 75L38EA (5.0/7.5/8.5/10.0MHz)
Electronic linear array transducer: 75L60EA (5.0/7.5/8.5/10.0MHz)
Electronic endocavity transducer: 65EC10EA (5.0/6.5/7.5/8.5MHz)
Electronic micro-convex array transducer: 65C15EA (5.0/6.5/7.5/8.5MHz)
Electronic micro-convex array transducer: 35C20EA (2.0/2.5/3.5/5.0MHz)
DICOM3.0
Water-resistant footswitch
Needle-guided brackets

DELUXE DIGITAL PORTABLE ULTRASOUND SYSTEM


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Ergonomic Keyboard:
Back-lit keyboard for good visibility in dark room
6 STC slides for easy adjustment
Multi-function knob and toggle for quick adjustment
Neat & Clear keyboard layout,doctor can remember easily
Print directly from keyboard

MH14

Scanning Methods	Electronic convex/Electronic linear/Electronic micro-convex
Applications	Abdomen, OB/GYN, Small parts, Urology, Cardiology, Pediatrics
Display modes	B, B/B, 4B, M, B/M
Gray scale	256 levels
Scanning Techniques	Real-time dynamic imaging: RDF, RDA, DFS, DRA
	Harmonic imaging
Scanning Depth	240mm Max(depend on the probe types)
Probe Frequency	2.5MHz -10.0MHz (Depend on the probe types)
No. of Probe Connectors	2
Monitor	10-inch SVGA high resolution monitor
CINE loop	128 frames, playback selectable, can be saved in USB disk and recalled for analysis
Image storage	Built-in memory, storage via USB disk, saved image can be recalled for measurement
Zoom	Intelligent zoom in real-time and frozen mode, 4-step
Image Processing	Pre-processing: IP selection, dynamic range, edge enhancement, smooth, frame averaging, scanning angle selection, line density selection
	Post-processing: γ correction, gray transformation, gray rejection
	STC: 6 slides for Near, Far and Overall gain control.
Image Reversing	Left/right, Up/Down
Software Packages	General software packages for Abdomen, OB/GYN, Small parts, Urology, Cardiology
	Special cardiology package: LV, Mitral valve, Aortic valve, CO, LVET, MVCF, Cardiac Index, SV, EF etc.
	Special fetal growth analysis software package: LMP, BBT, fetal growth curve, fetal weight
General Measurements	B mode: distance, circumference, area, volume, ratio, angle, % stenosis, histogram, profile
	M mode: distance, time, velocity, heart rate
	EDD tables: BPD, GS, CRL, FL, HC, AC(user-defined EDD tables are available)
Report templates	Normal report, OB report, GYN report, Urology report and Cardiac report
Archives Management	Patient information management
Documentation	Full screen documentation, hospital name, patient name, date/time
	Annotation database available, pre-saved phrases can be recalled
Power Supply	AC 230V ± 10%, 50Hz(standard)/AC110V ± 10%, 60Hz (Upon customer request)
Standard Configuration	Main unit + 3.5MHz convex probe + 2 USB ports + VGA port + Internet port + 2 probe connectors + Harmonic
Options	7.5MHz linear probe, 6.0MHz transvaginal probe, 3.0MHz cardiac probe, 7.5MHz transrectal probe, Video printer, USB flash disk, DICOM, Trolley (TR-8000)



MH15

It is dedicated to provide veterinary ultrasound solutions that meet your daily clinical needs.It produces high-sensitivity color or Doppler performance and high-resolution 2D images. Various functions such as THI, FTO, iTouchTM and iStationTM make your veterinary ultrasound diagnosis much more reliable. The system's specific veterinary application modules include reproductive software packages, veterinary transducer series, user-friendly operation interface and so on. All these outstanding solutions make it an ideal choice for any veterinary sonographer.
2D, M, PW, HPRF, Color, Power and DirPower
Abundant software packages, including specially designed reproductive software for Dog, Cat, Equine, Bovine and Ovine
Wide band multi-frequency transducers ranging from 2.0MHz to 12.0MHz
Specific high frequency micro-convex veterinary transducer 6C2 (5.0/6.5/8.0 MHz) for small animal use
THI (Tissue Harmonic Imaging) for technically difficult scanning
FTO (Fine Tissue Optimization)
iTouch™: Intelligent image optimization with only one button
iStation™: Intelligent patient management platform greatly increasing your work efficiency
Outstanding solutions for information management: CD-RW, four USB ports, DVD recorder, and optional DICOM3.0
Optional:
Micro-convex high frequency transducer 6C2 (5.0/6.5/8.0MHz)
Convex array transducer 3C5A (2.5/3.5/5.0/H4.6/H6.0MHz)
Linear array transducer 7L4A (5.0/7.5/10.0MHz)
Micro-convex endocavity transducer 6CV1 (5.0/6.5/8.0MHz)
Micro-convex array transducer 3C1 (2.5/3.5/5.0/H4.6/H6.0MHz)
Linear array transducer 7L6 (5.0/7.5/10.0MHz)/10L4 (8.0/10.0/12.0MHz)
Phased array transducer 2P2 (2.0/2.5/3.0/H3.5/H4.0MHz)
Intrarectal linear array transducer 6LE7 (5.0/6.5/8.0MHz)
Intraoperative T-type linear array transducer 7LT4 (5.0/7.5/10.0MHz)
Intrarectal biplanar transducer 6LB7 (5.0/6.5/8.0MHz)
Needle-guided brackets
Water-resistant footswitch



MH16

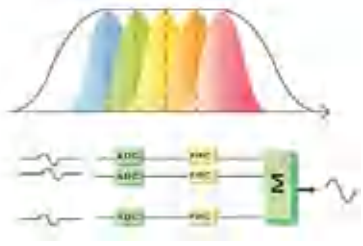
Superb Plus
Extensive clinical application in abdomen, cardiology, obstetrics and gynecology, urology and superficial organs.
Configuration:
2.5/3.5/4.0/5.0MHz Convex probe
6.5/7.0MHz Trans-vaginal probe
High resolution 14 inches VGA monitor
Options:
Video graphic printer
Cine loop
Real time color image workstation
Linear probe
LCD color monitor
Superb Technical Features:
Digital image processing technology
17 stages of dynamic to fcusing & acoustic lens locusing
Scanning Mode:Electronic Convex,Micro Convex & Linear Array
Display mode:B,B/B,B/M,M
Depth Scope:0-200mm
Gray Scale:256
14 inches VGA monitor,non-interlace
Memory Capacity:512x512x8bit
8 Frame correlations image pre-processing
8 r adjustment image post-processing
8 steps STC adjustment for any point of the image,helping doctor to get ideal image
Emission focus of near-field Near & Central field central & far field,and far
Field selectable to get optimized resolution
Optical track ball
Voltage and current surge protector
Body Marks 16
OB/GYN software package
Rich measurement software and Character input
Zoom:X1.0,Z1.2,Z1.5,X2.0
Voltage:110/220V
Security:GB10152-1997,GB9706.1-1995 National Ultrasound Equipment security Standard.





MH17





Super Broadband and multi-frequency probes
Probes for this system have super broadband with over 70% relative bandwidth.Different working frequencies are availlable for each probe.Multi-frequencies are selectalbe for clinical applications.





Digital beam forming technology
Accurate beam forming and signal processing,digital image acquisition and processing ensure images with clear edge and no distortion,

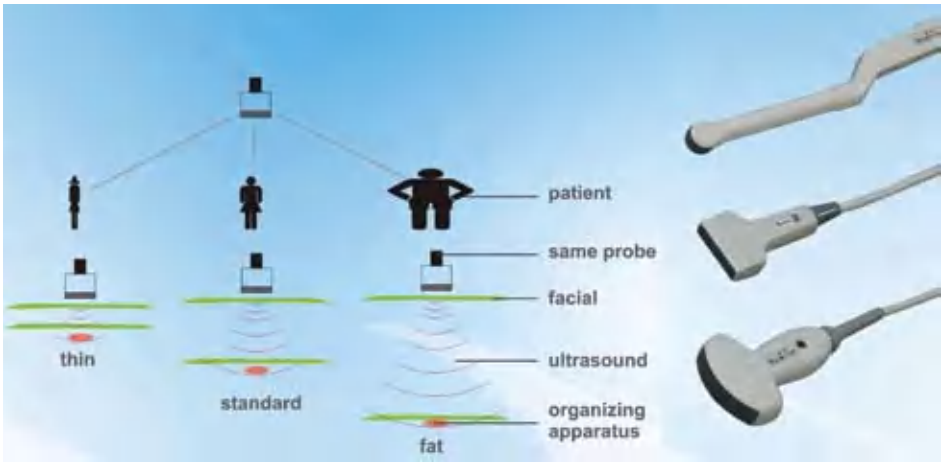
Full-Digital Ultrasound Imaging System 128 Elment High Resolution
Exceed featuresuper-precise Digital Beam-forming(DBF),based on powerful digital technology platform.It highly meets clinical requirements with abundant software package;vivid images and ergonomic operaton.
Cutting-edge Digital echnology
DBF Digital Beam-forming
DFS Numerical control dynamic frequency scanning
DRF Dynamic receiving focusing
RDA Real-time dynamic aperture
TDF Time and dimensional filtration real-time dynamic apodization
6-segment TGC adjustor
Built-in high-speed MPU
English-Chinese interface
Extensive Software Packages
USB Port



MH18

Digital Ultrasonic Diagnostic System
It is composed of many advanced technologies as wide frequency probe,internet application,large storage capacity and so on,which can give you a clear insight of life.It is a whole-body applied digital system covering general and special requirements of clinics and hospitals.

Application:Abdomen,OB & GYN,small parts,urology,cardiology,pediatrics etc.
Scanning method:Electronic convex/electronic linear/electronic micro-convex
Displaying mode:B,B/B,4B,B/M,M
Focusing:Continuous dynamic focusing,acoustic lens focusing
Image processing:Image persistence,linear correlation,edge enhancement/smooth,RDF,grey scale adjustable,image left/light inversion,image up/down inversion,image positive/negative inversion,eight slides STC,M mode speed,line density selection,line frame frequency,scanning angle/width
Acoustic power:Multilevel and adjustable
Imaging techniques:Digital beam former,dynamic aperture,DRF,RDF,RDA SHI
Grey scale:256
General measurements:B mode:distance,circumference,area,angle,volume,% stenosis,histogram,M mode:heart rate,time,distance,velocity
OB software package:Four database for calculating pregnant weeks:(one for user-defined)GS,BPD,CRL,FL,HL,TAD,LV,OFD,AC,HC,etc.AFI,fatal weight,ratio,LMP,BBT,fetal growth curve,fetal biophysical score,OB report
GYN software package:Measurement and calculation for uterus,ovary,follicle,GYN report
Urology software package:Measurement and calculation for kidney,bladder,residual urine volume,urology report
Andrology software package:Measurement and calculation for prostate,tesicle,calculation for PPSA,PSAD,andrology report
Cardiology software package:Heart rate,velocity,LV,RV,aortic valve,mitral valve,cardiology report
Body mark:Abdomen,andrology,cardiology,gynecology,musculoskeletal,obsterics,pediatric,small part,urology
Channels:32
Cine loop:Large capacity of cine loop automatically or manually cine loop speed adjustable
Image storage:Storage for single image in format of BMP,JPEG,PNG,DICOM etc,storage for cine loop in AVI
Interfaces:PAL-D(optional),SVGA,USB,RS-232,internet port,parallel print port,DICOM 3.0(optional),parallel communication port,CD-ROM
Probe:Multi-frequency probe with 4 steps
Stand configuration:Main machine+monitor+3.5MHzR60 convex probe
Optional configuration:3.5MHzR15 convex heart probe,6.5MHzR12 transvaginal probe,7.5MHz linear probe,Image recorder,laser printer,inkjet printer,DVD-ROM

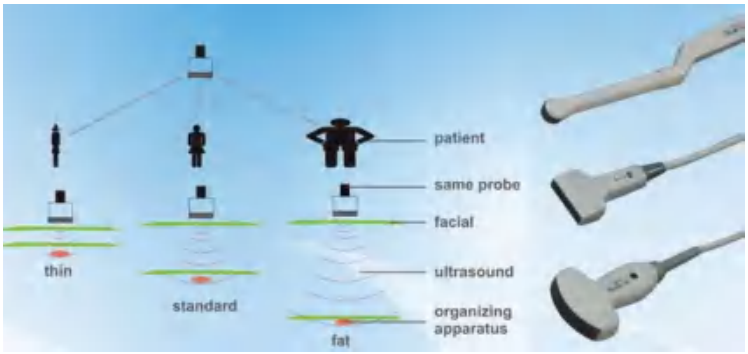


Broad Band and Multi-frequency Probe Technology
Support frequency conversion for several probes. The detacting depth can be adjusted by switching the probe's frequency to meet the needs of clinic.





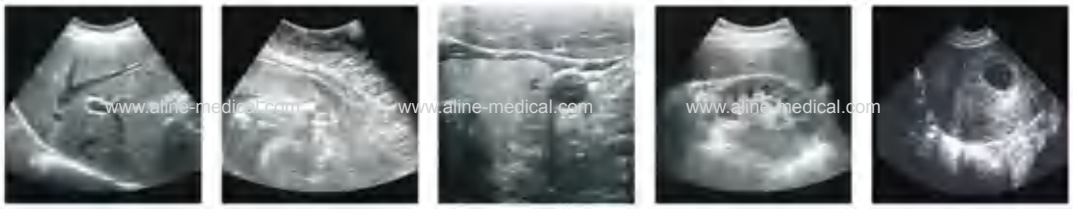
MH19



Digital Ultrasonic Diagnostic System
MH19 digital ultrasonic diagnostic system is composed of many advanced technologies as wide frequency probe,internet application,large storage capacity and so on,which can give you a clear insight of life.It is a whole-body applied digital system covering general and special requirements of clinics and hospitals.

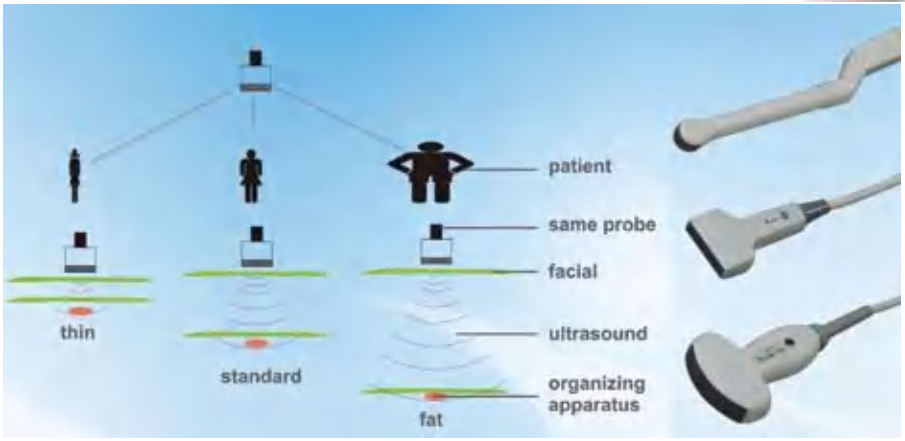
Broad band and multi-frequency probe technology
Support frequency conversion for several probes.The detecting depth can be adjusted by switching the probe's frequency to meet the needs of clinic.

Application:Abdomen,OB&GYN,Small parts,Urology,Cardiology,Pediogy,Pediatrics etc.
Scanning Method:Electronic Convex/ Electronic Linear/ Electronic micto-convex
Displaying mode:B,B/B,4B,B/M,M
Focusing:Continuous Dynamic Focusing,acoustic lens focusing
Image processing:Image persist,edge enhancement/ smooth,RDF,grey scale adjustable,image left/right inversion,image up/down,ineversion,image positive/negative inversion,eight slides STC,M mode speed,linedensrty selection,line frame frequency,scanning angle/width,4image frequency.
Acoustic Power:Multilevel and adjustable
Imaging Techniques:Digital beam fomer,dynamic Aperture,DRF,RDF,RDA,THI
Grey Scale:256
General Measurements:B Mode: distance,circumference,area,angle,volume,% stenosis,histogram
M Mode:heart rate,time,distance,velocity
OB software package:Four database for calculating pregnant weeks:(one for user-defined) GS,BPD,CRL,FL,HL,TAD, LV,OFD, HC,etc, AFL,Fatal weight,Ratio,LMP,BBT,fetal growth curve,Fetal Biophysical Score,OB report
GYN software package:Measurement and calculation for uterus,ovary,follicle,GYN report
Urology Software Packaqe:Measurement and calculation for kidney,bladder,residual urine volume,Urology report
Andrology Software Packaqe:Measurement and calculation for Prostate,testicle,Calculation for PPSA, PSAD,Andrology report
Cardiology Software Package:Heart rate, velocity,LV,RV,aortic valve,mitral valve,cardiology report
Body Mark: Abdomen,Andrology,Cardiology Gynecology,Musculoskeletal,Obstetrics,Pediatric,Small part,Urology
Cine loop:Large capacity of cine loop automatically or manually.Cine loop speed adjustable
Image Storage:Storage for single image in format of BMP,JPEG,PNG,etc;storage for cine loop in AVI
Interfaces:SVGA,USB,RS-232,internet port,parallel print port,parallel communication port,DVD-ROM
Probe:Multi- frequency probe with 4 steps,2 probe connectors
Stand Configuration:Main machine + 12" monitor +3.5MHzR60 convex probe
Optional Configuration:3.5MHzR15 convex heart probe
6.5MHzR12 transvaginal probe
7.5MHz linear probe
Image recorder,laser printer,inkjet printer
14"monitor





MH20



Broad Band and Multi-frequency Probe Technology
Support frequency conversion for several probes.The detecting depth can be adjusted by switching the probe's frequency to meet the needs of clinic.

Digital Ultrasonic Diagnostic System
It is composec of many advanced technologies as wide frequency probe,internet application,large storage capacity and so on,which can give you a clear insight of life.It is a whole-body applied digital system covering general and special requirements of clinics and hospitals.

Application:Abdomen,OB & GYN,small parts,urology,cardiology,pediatrics etc.
Scanning method:Electronic convex/electronic linear/electronic micro-convex
Displaying mode:B,B/B,4B,B/M,M
Focusing:Continuous dynamic focusing,acoustic lens focusing
Image processing:Image persistence,linear correlation,edge enhancement/smooth,RDF,grey scale adjustable,image left/light inversion,image up/down inversion,image positive/negative inversion,eight slides STC,M mode speed,line density selection,line frame frequency,scanning angle/width
Acoustic power:Multilevel and adjustable
Imaging techniques:Digital beam former,dynamic aperture,DRF,RDF,RDA SHI
Grey scale:256
General measurements:B mode:distance,circumference,area,angle,volume,% stenosis,histogram,M mode:heart rate,time,distance,velocity
OB software package:Four database for calculating pregnant weeks:(one for user-defined)GS,BPD,CRL,FL,HL,TAD,LV,OFD,AC,HC,etc.AFI,fatal weight,ratio,LMP,BBT,fetal growth curve,fetal biophysical score,OB report
GYN software package:Measurement and calculation for uterus,ovary,follicle,GYN report
Urology software package:Measurement and calculation for kidney,bladder,residual urine volume,urology report
Andrology software package:Measurement and calculation for prostate,tesicle,calculation for PPSA,PSAD,andrology report
Cardiology software package:Heart rate,velocity,LV,RV,aortic valve,mitral valve,cardiology report
Body mark:Abdomen,andrology,cardiology,gynecology,musculoskeletal,obsterics,pediatric,small part,urology
Cine loop:Large capacity of cine loop automatically or manually cine loop speed adjustable
Image storage:Storage for single image in format of BMP,JPEG,PNG,DICOM etc,storage for cine loop in AVI
Interfaces:PAL-D(optional),SVGA,USB,RS-232,internet port,parallel print port,DICOM3.0(optional),parallel communication port,CD-ROM
Probe:Multi-frequency probe with 4 steps
Stand configuration:Main machine+monitor+3.5MHzR60 convex probe
Optional configuration:3.5MHzR15 convex heart probe,6.5MHzR12 transvaginal probe,7.5MHz linear probe,Image recorder,laser printer,inkjet printer,DVD-ROM





MH21

MH21 color Doppler ultrasonic diagnostic system is composed of advanced technology of digital color Doppler and wide frequency probe, internet applications system with general measuring function, kinds of leading image process technology, which reaches to leading level in the world. It is whole-body applied digital color ultrasonic diagnosis system of Haiying ultrasonic family with clear image.

Features

System Description

- The system is a 128 channel, high resolution ultrasound imaging system with patented Adaptive Focusing which enables high performance ultrasound imaging from 2MHz to 10MHz.
- Each transducer has three imaging frequencies and two or three Doppler frequencies available.
- The system has sophisticated report generating capabilities for OB, Vascular, Cardiac, Gynecology and Urology.
- This PC based system can store images and reports to disk. Images and report can be copied to external media. HTML versions of reports can easily be copied, emailed and viewed by any Internet Browser.
- The system provides multiple application specific presets for each probe. Custom presets can be generated by the user.
- Windows 2000 Professional Operating System enables support of a wide range of peripherals and is readily upgraded with software enhancements.

Working mode:B,B/B,B/M,M mode,color Doppler,energy Doppler,spectrum Doppler

Focusing :Transmitting focusing 8 ranges, receiving continuous fousing

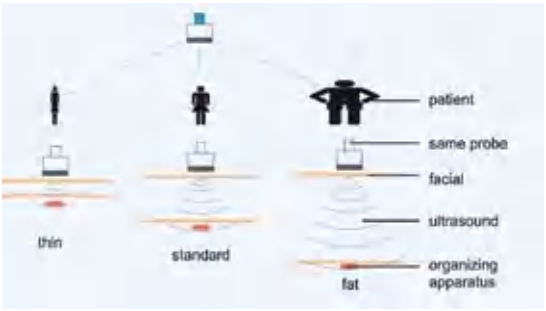
Display Prameter:Acoustic power, total gain, dynamic range, TGC curve, gain of Doppler, pulse repetition frequency, wall-filtering ratio.

Image Process :Colorful map, frame average processing, angle adjustment and wall filter

Gray:256

Image Storage:Storage and playback of 128 continuous image

Image Output:Output to floppy disk, USB and color video printer





Standard Configuration

Main unit

15”RGB color monitor, resolution 1024x768

3.5MHz 60R65D multi-frequency convex probe

7.8MHz38L multi-frequency linear probe

Option

3.5MHz72D20R multi-frequency convex probe

7.0MHz14D10R multi-frequency convex probe

Color video printer,LCD monitor

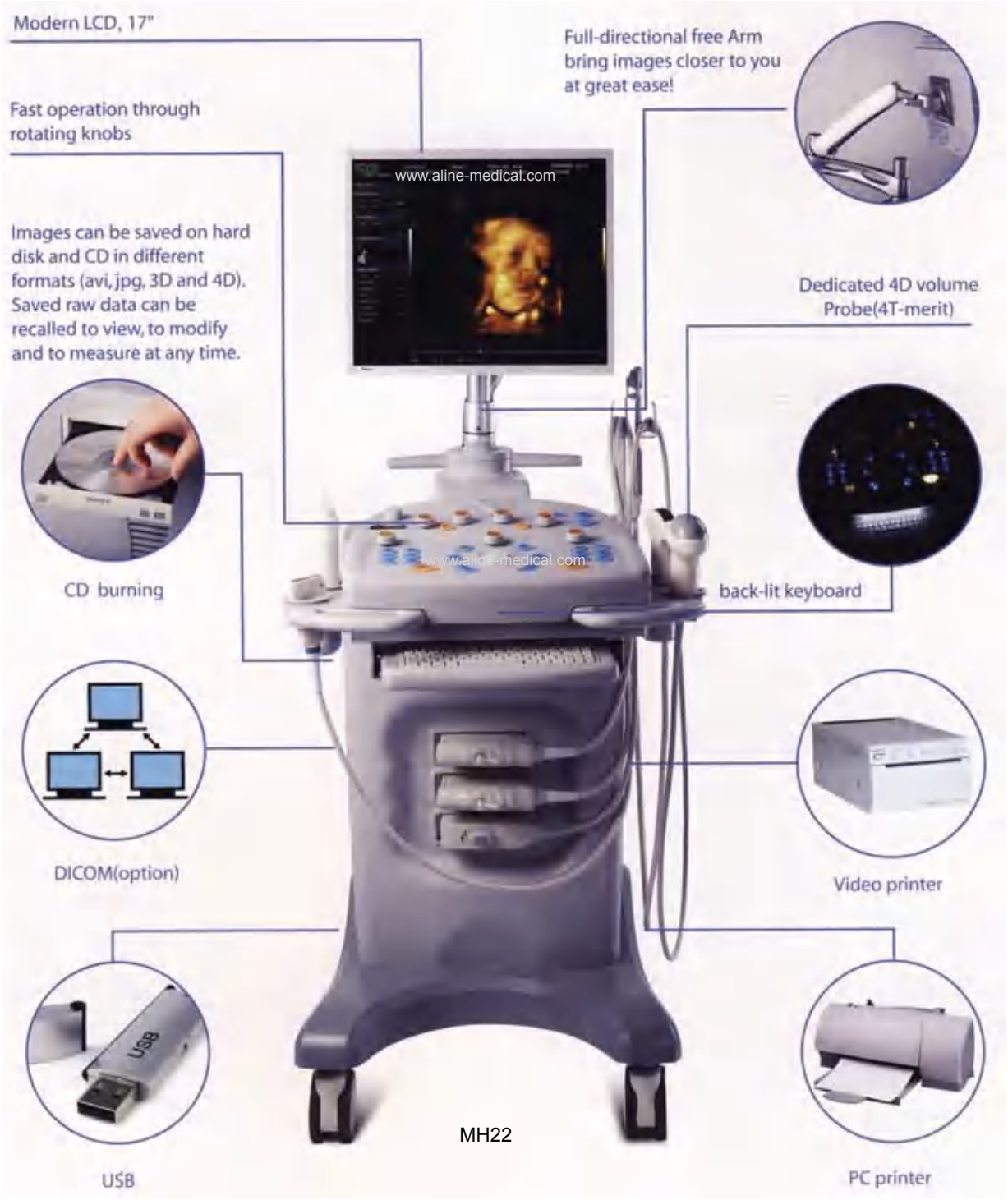
3D

Broadband technology and frequencyconversion

Support variable probe frequency.Adjust the depth of detection at well via conversion or probe frequency to satisfy the diagnosis demand of the patients for different figure.



EXPERIENCE THE MIRACLE OF 4D



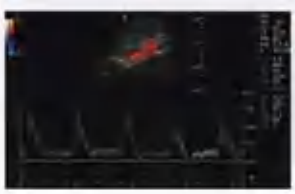


Standard package:
Digital Color Doppler Platform
4D standard package,17 inch LCD assembly
CD writer,2 probe connectors
4D Standard Package:
Dedicated 4D volume Probe V4C40L
4D image processing software
MPR(Multi-planar review)
Tomograghy imaging(multi-slice,curved multi-slice)
Niche
4D archhieve system,4D measurement package
Options:
2D probes:conves,linear,transvaginal,phased array,pediatric
I-image,DICOM 3.0
B & W Video printer,color video printer,PC printer
DVD writer,Biopsy Kits

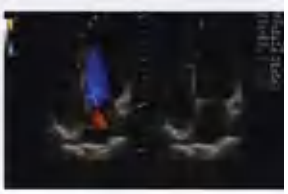
DIGITAL COLOR DOPPLER SYSTEM



MH23



Aorta,Triplex



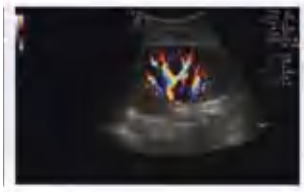
Mitral valve color flow,B/BC



LV,Steering M



Testicle,CFM



Kidney,DIrection PD



Fetal Aorta Arch,B/BC

Imaging Mode:B,2B,B/M,B/BC,CFM,PW,HPRF,PD,Directional PD,CW,Color M
Extended feature:Triplex,Trapezoidal imaging,Free-hand 3D,Panoramic, Auto Doppler,Free Steering M
Imaging technologies:THI,Speckle reduction,i-Image,Compound Imaging
Wide Applications:Abdomen,Cardiology,OB & GYN,Urology,Vascular and Small Parts,Pediatrics,Musculoskeletal
Standard Configuration:Main unit,3.5 MHz Convex probe,7.5MHz Linear probe,15" LCD,3 probe connectors,Hard disk(160GB),DVD,2 USB ports
Options:6.0 MHz Transvaginal probe,3.0 MHz Phased array probe,5.0 MHz Pediatric probe,5.0MHz phased array,Video printer,PC printer Free-hand 3D,DICOM 3.0,ECG,CW,Steering M,Panoramic,Color M



MH24

SonoScape is setting new standards in performance of leading-edge full digital full function hand carry color ultrasound systms. This delivers today's most diverse diagnostic requirements and offers the most modern and advanced techniques available in the marketplace. The unrivaled performance of the SonoScape portable color Doppler system includes Multi-Paramenter Compounding imaging, Highly accurate Tissue Harmonic Imaging, Color Flow, Power Doppler, PW and CW Doppler, Supporting 1.5-15MHz probes including Multi-plane Tee probes for cardiology, DICOM and 3D
15"High Resolution LCD
Multi-Parameter Compounding Imaging
Highly Accurate Tissue Harmonic Imaging
Color Flow Power Doppler,PW and CW Doppler
Support 1.5-15MHz probes including Multi-plane TEE probes for cardiology
Extended Application Range and Clinical Value
Efficient Data management and Networking Communication
USB2.0 Mobile drive image retrieving and Software upgrading
ECG INPUT
DICOM
3D
Extended Clinical Applications
It is designed as a full function HCU for your expanded general and specialty clinical applications of abdominal, ob/gyn, small parts, vascular, cardiac, transcranial, urological, prostate, endocavitary, surgical scanning and pediatric, etc. Whether you are performing a general abdominal exam, a cardiac diagnosis with the phased array probe, or a special vascular scan with high-frequency linear probe. there is a probe to fit your needs, without reinvesting in a new system.

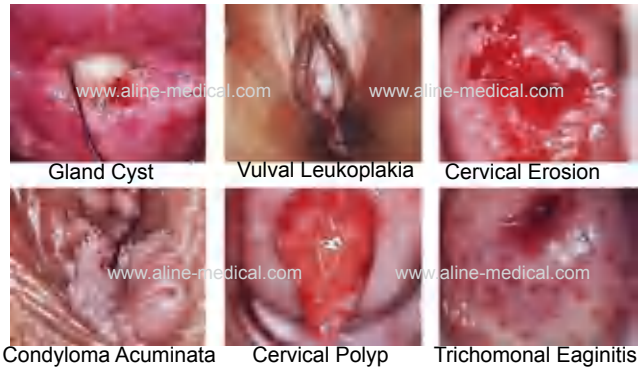
ELECTRONIC COLPOSCOPE



MH25

Capacities of collecting static images continuously; the number of images for dynamic browse could reach to as much as 99.
Capacities of continuous cine loop and record of dynamic images in 6 different sampling-frequencies.
Capacities of comparisons for 4 pictures in the same screen, which will be executed by multi-orientations, multi-angles and dynamic consultations.
Functions of copy, freeze, and others.
Hundreds of cases pictures could be supplied for analyzing and referencing; new cases pictures could be added and compared with current pictures at any time.
Abundant diagnosis information supplied, which is much useful for preventing the afflictions of inputting characters.
Capacities of creating web reports and transmitting the reports and images via internet or local area network (LAN), recurring to which the effects of resource sharing and long-distance consultation could be achieved.
Multi-formats of colorful image info reports, database could be edited freely to create the user-templates
Tens of image enhance functions to improve the checking rate of micro-focus
Sole Filter function which will ensure doctors to see the veins clearly with less loss of light.
Full-icon operation system, which is very easy to operate.
Operation System:
Windows 2000,Windows XP-SP2,Windows VISTA
Standard Configuration:
Image capture system,Image control system,Bracket,Footswitch,Two light sources,Software,Packing case
Optional:Machine: PC or Laptop,Monitor: LCD or CRT
Printer:Trolley: foldable





Gland Cyst | Vulval Leukoplakia | Cervical Erosion

Condyloma Acuminata | Cervical Polyp | Trichomonal Eaginitis

It is applicable for the detections of pathological changes in vulva,vagina and the cervix,filtering cervix cancer by fluorescence indirectly,and images management.
Features:
Fashionable appearance, convenient design
Adopt the color digital CCD camera with high resolution and clarity.
Dismountable light source, which has got the patent.
Bulbs adopt supper cold LED light source whose diameter is only 2 mm.
There are “freeze, filter, zoom in, zoom out, white balance” buttons on the top of the camera for the speedy automatic functions.
Professional green-filter techniques
Image freeze
White balance
Auto focus
Timing of acetic acid and iodine reaction tests
Powerful image software and workstation system

Specification:

Image Sensor	1/4” Sony CCD Image Sensor
Pixels	830,000
Mode	Green, Black/White,
Imaging Mode	Color
Image Freezing Control	Finger Control; Footswitch Control ,Camera control
Minimum Illumination	0.05Lux
Signal-to-Noise (SNR)	>50db
Electronic shutter	1/10,000 Sec
Light Source	Multi-point surrounded high-brightness white cold light source
Back-lighted	Compensation Automatic
Focus Area	150mm-350mm
Focusing	Auto/Manual
Zoom	Optical Varifocal :22 times
Digital Varifocal	8times
Dynamic Timing Control	Real-time display of acetic acid and iodine reaction tests
Video-Out	PAL/NTSC 1.0VP-P,75Ω



MH26

Colposcope Digital Imaging System
Features:
The system adopts high-definition and high-resolution color digital CCD with functions of stepless image magnification and fast auto or manual focusing. It can control the focus of CCD through computer and facilitate the zoom-in or zoom-out of real-time images, thus proving more high-definition quality images for the doctors to choose from.
The system has a uniquely designed lamp house, transmitting pure white cold light through circle optical fiber with little scattered light and no blind points. It has adjustable luminosity fitted with green color filter and 360° no shadows, permitting magnifying clearer images and working continuous as long as 3000 hours.
The system can also be fitted with TFT display and digital imaging system, which can display simultaneously.

Endoscope Series

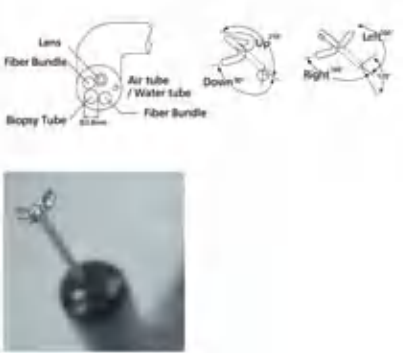




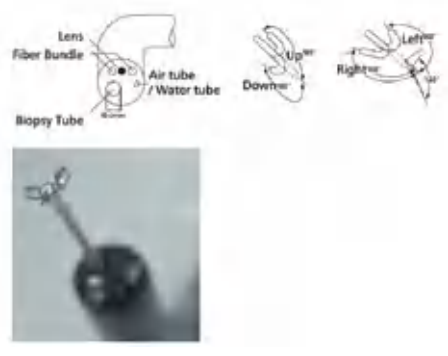
MH27



MH28



Video Gastroscopy
Optical System:Field of View 140°
Depth of View:3—100MM
Tip Deflection:230°(up)90°(down)
100° (left)100°(right)
Distal Rigid Diameter:ϕ9.8mm
Insertion Tube Diameter:ϕ9.8mm
Working Channel:ϕ2.8mm
Working Length:1050mm



Video Colonoscopy
Optical System:Field of View 120°
Depth of View:3—100mm
Tip Deflection:180°(up)180°(down)
160°(left)160°(right)
Distal Rigid Diameter:ϕ 12.9mm(with cover)
Insertion Tube Diameter:ϕ12.9mm
Working Channel:ϕ3.7mm
Working Length:1700mm



MH29

Video Processor
Function:Automatic White Balance , Automatic Electric Shutter ,Enhancement,Adjusting of Color,Digital Zoom ,Picture in Picture , Freeze and Store the image ;
Voltage : 220-240V / 50-60Hz
PAL
Safety Standard : GB9706.1/EC 601-1
SONY 440,000 Pixels CCD with excellent image



MH31



Remote control



The intrared ray receiver

Intra-oral camera
This product with convenient operation,advanced function,reliable quality is designed for denlist,the camera can be put into the digital intra-oral visualizer,it can focus and form the size of picture automatically. Fixed focus lens allows the user to concentrate on the patient and not on focusing,so it a good assistant for dentist.
Features:
1/4 picture to divide up and change
Savign space:full screen 28 pieces,4 separate image 112 pieces
Specifications:
1/4" SONY HAD CCD
Pixel:1,300,000
Auto focus of AF,remove the double image and avoid dithering automatically
Scope of focus:5m-50mm
Weight of handset:50g



MH30

Light Source
Power:150W Double Halogen/ Short Arc Lamp
Color Temperature:3200K/5600K
Pressure:>0.03MPa
Power:220V-240V/56-60HZ
Pump:Long Life Quiet
Quality Standard:GB9706.1/IEC 601-1
Sufficient light to provide clear images

Anesthesia Unit Series



MI 1

Multifunctional anesthesia unit
Specification:
Suitable for:Adult,Pediatrics
Flow meter:O_2,N_2O
O_2 supply speed:35-75L/min
Resiratory rate:8-40/min
I/E ratio:1:0.5-1:3.0
Tidal volume:100-200ml(with additional pediatric bellows make tidal volume reach 50-1200ml)
Ptr range:-1.0kPa-1.0kPa
Maximum safe pressure: ⩽6kPa
MV alarm:upper limit:1.8L/min,lower limit:0-10L/min
Airway pressure alarm:upper limit:1-6kPa,lower limit:0.5kPa

Features:
Anesthesia apparatus:Equipped with 2 vaporizers namely Enflurane and isoflurane,which can be used altematively,with temperature control,flow and pressure compensation:4-tube flow meter;O_2-N_2O interlock with high precision;integrated circuit system;power cut-out protection device;rechargeable battery back up 2 hours after mains suply having been cut.
Ventilator:Gas driven electrically controlled,time switch, volume constant and pressure restriction;monitoring tidal volume,ventilatory volume,gas-feeding pressure,airway pressure,respiratory frequency,etc.
Safety device alarm upon power having been cut,N_2O is cut off automatically if O_2 is insufficient,alarm upon the excess of upper & lower airway pressure limit and ventilatory volume.It can be assembied with ECG monitor and Monitor for O_2 concentration,and can select waporizers to assemble.



MI 2

Multifunctional anesthesia unit
Specifications:
Suitable for:Adult,pediatrics
Driving method:Gas driven electrically controlled
Ventilation modes:IPPV,SIPPV,SIMV,PEEP
Tidal volume:50-1200ml
Max insp flow:18L
Respiratory rate:5-60bpm
I:E1:0.5,1:1,1:1.5,1:2.0,1:2.5,1:3.0
Max pressure: ⩽6kPa
PEEP:0.1-1.2kPa
Sigh volume:not less than 1.5 times of tidal volume
Upper airway pressure limit:1.0kPa-5.4kPa
Lower airway pressure limit ⩾0.5kPa
Continuous work after mains interruption
O_2 suply speed:35L/min-75L/min

Features:
Anesthesia apparatus:Equipped with 2 vaporizers namely Enflurane and isoflurane,which can be used altematively.Vaorizer has the function of temperature control,flow and pressure compensation.With an induction-lamp,and easy to adjust.
Flow meter range:O_2-N_2O interlock with high precision.
O_2:0.1-10L/min,N_2O:0.1-10L/min,Air:0.1-10L/min
Integrated circuit system:power cutout protection device,UPS rechargeable battery back up 2 hours after mains supply having been cut.
Ventilator:
Gas driven electrically controlled,time switch,volume constant and pressure restriction.
Monitor:Large screen LCD display with high brightness and wide visual angle,microcomputer control,multi-functional respiration monitor,montoring tidal volume,vertiatory volume,gas-feeding pressure,airway pressure,respiratory frequency,P-T and P-V waves etc.
Safety device:
Alarm upon power having been cut:N_2O is cut off automatically if O_2 is insufficient,alarm upon the excess of upper & lower airway pressure limit and ventilatory volume.It can be assembied with ECG monitor and Monitor for O_2 concentration.
Optional:UPS.
Optional:Penlon vaporizer or Perlong vaporizer.



MI 3

Multifunctional anesthesia unit
Specifications:
Suitable for:Adult,Pediatrics
Flow meter:O_2,N_2O
O_2 supple speed:35-75L/min
Respiratory rate:1-99/min
I/V:1:4-4:1
Tidal volume:50-1500mL
Ptr range:-1.0kPa-1.0kPa
Maximum safe pressure: ⩽6kPa
M/V alarm:upper limit:18L/min lower limit:0-10L/min
Airway pressure alarm:upper limit:1-6kPa lower limit:0.5kPa
Patient Monitor:
Display:12" TFT large screen of high resolution
ECG:5-lead,gain 0.5X-2.0X adjustable or automatic,analysis of ST segment and abnormal of heart rate(anti-defibrillate,anit-HF electrotome).
Heart rate:20-250bpm,RESP:impedance,range:0-100bpm
SpO_2:35%-100%,Pulse rate:30-240bpm
NIBP:SBp,DBp,MBp 15-250mmHg interval of automatic measurement:1-250min adjustable
TEMP:28-43.2℃ ,Alarm:audio and visual alarm
Tendency record:96 hours



MI 4

It is a multifunctional anesthetic apparatus of new generation incorporating anesthetic,respiratory and monitoring functions.Be equipped with highly precised N_2O and O_2 flowmeters, and N_2O automatically shut-off device. Anesthetic ventilator of volume-constant type. Electrically driven and controlled,suitable for both adults and children, provided with the flow and line alarms.Circle system saving greatly on carrier gas and on anesthetic, and adopt ISO standard connectors.Be equipped with respiratory monitor capable of monitor on realtime tidal volume, minute volume, frequency of ventilation, and O_2 concentration degree, for assuring patient security.

Main Specifications:

1.Air source pressure: O_2:0.27~0.55Mpa,N_2O:0.27~0.55Mpa

2.Adjustment range of flow:O_2:0.1~15L/min,N_2O:0.05~10L/min

3.N_2O shut-off:

N_2O flow decrease correspondingly when the O_2 supply Pressure drops below 0.14 Mpa.

N_2O auromatically shuts off when the O_2 supply Pressure drops below 0.04 Mps.

4.Enflurane vaporizer:0.2-5vol%,adjustable

5.Alarm occurs and lasts for 7 seconds at least

6.Anesthetic Ventilator:

Control Mode:pneumatic-driven,electric-control,Constant volume and time-cycled.

Air source pressure: O_2:0.27~0.55Mpa

Tidal volume:200~1200 ml

I:E ratio:1:1 1:1.5 1:2 1:3

7.Respiratory monitor:

Tidal volume: 100~1500ml/min

Respiratory frequency:6~60bmp

MV:0~40L/min

Oxygen concentration:0~100%

Pressure:0~10kpa





MI 5

Anaesthesia Machine,a basic type anaesthesia machine, has not only made a big step in increasing its reliability,safety and combination but also,in design,given room to equip anaesthesia ventilator and monitoring to form a complete versatile anaesthesia maching thus provides more useful functions. ISO standard circle system can meet the needs for semi-open semi-closed or closed system anaesthesia.The machine has a precise type DZFG /ZFG-B1 vaporizer with calibratead anaesthetic concentration. The machine is easy to operation.

- New design of flowmeter with ORC(oxygen Ratio Control) to guarantee at least 25% O_2 concentration in mixed gas
- Automatic N_2O cut off, O_2 failure alarm
- ISO standard circle system fittable to the left or the right side of the machine makes operation more convenient at either side
- Easy observation of airway pressure from proxiaml pressure gauge
- With Halothane,Enflurane or Isoflurane vaporizers
- Attachabe cylinder support (for old-type)

Specification:

1.flowmeter measuring range:

O_2 flow 0.1~10L/min,N_2O flow 0.1~10L/min

2.Gas supply: 0.27~0.55mPa

3.O_2 flush: 35~70L/min

4.N_2O cut off:O_2 preesure drops below 0.2 Mpa

5.Enflurane vaporizer:0.2-5%, with compensation functions

6.Relief valve:5~40 cm H_2O 7.Dimension:570×580×1140MM(L×W×H) 8.Weight:52kg





MI 6

Multifunction anaesthesia machine, developed with reliabilit,safety,practicability, combination in mind,is a kind of up-to-date economic anaesthesia machine with modular system.Standard parts of MHJ-IIIB2 include anaesthesia ventilator SC-M3A,a compact vaporizer and airway gauge.It is possible to be furnished with other types of vaporizers and electronic monitorings to make an ideal multifunction anaesthesia machines for modern hospital.

- ISOcircuit system adaptable to various monitoring
- New type of flowmeter ORC system (O_2concentration no less than 25%),N_2O cut off safety unit.
- Conpact Enflurane Vaporizer:Vaporized drug comcentration adjustable
- The SC-M3A pneumatic anaesthesia ventilator is comparable small consumption of gas(one cylinder of Oxygen for six hours of operation),and be of precise parameters for control.Airway pressure gauge for real-time display of respiration of patient

Technical Data:

1.Flow control range:O_2:0.1-10L/min,N_2O:0.1-10L/min

2.Gas Supply:0.27-0.55MPa

3.O_2Flush:35-70L/min

4.N_2O automatic cut-off:active when O_2 pressure lower than 0.1MPa

5.Non-compensation Vaporizer(Enflurane),Cncentration adjustable(0-5%)

6.Anaesthesia Ventilator:

Control type:Pneumatically driven and controlled,time cycle and volume constant,Gas supply:0.27-0.55Mpa,Frequency:6-40cycles/min,I:E ratio:1:2 Fixes,Tidal volume: Adult bellow 150-1600ml,Children bellow 50-150ml,Safety Valve Working Pressue:6kPa





MI 7



It is a conventional anaesthesia machine with multifunctions which is composed of basic anaesthesia machine,anaesthesia ventilator and pressure monitorings. MHJ-III B1 is designed with techniques for reliability and safety and adopted a modular system for easier combination with various anaesthesia ventilators and monitorings to enhance its functions. The conventional MHJ-IIIB1 includes a pneumatic-controlled and pneumatic-driven anaethesia machine SC-M3A1,an anaesthesia circuit model IV and an economic anaestheisa vaporizer DZFG.MHJ-III B1 is suitable for use in various hospitals for closed-anaesthesia,semi-closed anaesthesia and semi-open anesthesia,and for oxygen inhalation during resuscitation.

- A flowmeter with ORC system ensures oxygen concentration not less than 25%.
- With automatic N_2O cut-off
- O_2 deficiency alarm
- SC-M3A1 anesthesia ventilator,with easy operation and low air consumption
- Top plate intended for all kinds of monitors

Main technical specifications:
1.Supply pressure:0.27~0.55MPa
2.Flow control: O_2 0.1~10L/min ,N_2O 0.1~10L/min
3.ORC system: Oxygen not less than 25% within mixture gas
4.N_2O automatic cut-off:Active when oxygen pressure less than 0.1MPa
5.O_2 flush:50±10L/min at O_2 pressure of 0.45MPa
6.Adjustment concentartion of Enflurane Vaporizer:0~5Vol%
7.Airway pressure limit range(APL): 0.5~7kpa
8.SC-M3A1 anaesthesia ventilator working type:Pneumatic-controlled and pneumatic-criven,time cycle,volume constant
9. Ventilation frequency:6~40L/min
10. Minute volume:3~18L/min
11. I:E ration:1:1.5 (fixed)
12. Gas consumption:less than 0.8L/min(for control part)
13. Dimensions:516×600×1370(L×W×H)
14. Weight:60kg
15. No need of power supply. Only compressed oxygen for pneumatic driving and pneumatic control.



MI 8

With Two Vaporizers and Intergrated Circuit
Feratures:
Adopts a two stage regulator and a hight precision three-gas flowmeter with ORC system,ensures oxygen concentration not less than 25%
Automatic N_2O cut off and an unique O_2 deficiency alarm divice.
With Enflurane or Isoflurane vaporizer,or both.
Attachable cylinder bracket.
Pneumatic-driven and electic-controlled anesthesia ventilator(Optional)
With constant volume for adults and children(With Ventilator).
Real time airway measurement
Exhaled tidal volume and Minute vlulme measurement(Optional).
Stainless steel ansesthesia writing surface
Technical Data:
Gas supply: O_2:2.7-5.5mPa;N_2O:2.7-5.5mPa; Air:2.7-5.5mPa;
Flow control range:O_2:0.1-10L/min;N_2O:0.1-10L/min; Air:0.1-10L/min;
Oxygen deficiency alarm:as oxygen pressure is≤0.2Mpa,alarm occurs and lasts 7 seconds at least;
N_2O cut-off:N_2O is cut-off completely,when O_2 pressure is≤0.1Mpa;
O_2 flush:50±10L/min at O_2 pressure 0.45Mpa;
Enflurane vaporizer:0.2-5VOL%,adjustable;
APL:0.5-7Kpa
SC-M3A1 anaesthesia ventilator working mode:
Pneumatic-controlled and pneumatic-driven,time cycled,volume constant(Optional)
Dimension:1275×584×655mm ,Weight:80Kg
Standard Accessories
Main Unit EM 01 001
·Enflurane DZFG Vaporizer EM 02 001
·Version IV Circuit System EM 03 001
·Air Supply Hose EM 01 002
·Common Gas Hose EM 01 003
·Patient Pipeline EM 01 004
·Breathing Bag EM 01 005
·Real Time Pressure Gauge EM 01 006
Optional Accessories:
Isoflurane DZFG Vaporizer EM 04 001
·Cylinder Assembly EM 04 002
·Anaesthesia Ventilator EM 04 003
·Volummeter EM 04 004
·APL Valve EM 04 005
·O2 Reducer EM 04 006
·N2O Rdducer EM 04 007
·Air Hose EM 04 008
·Integrated Circuit EM 04 009
Respiratoy monitor and Anaesthesia ventilator (Optional),Volummeter(Optional) and Pressure gauge



Volummeter (optional) and pressure gauge



Respiratory monitor and anaesthesia ventilator(optional)

Emergency Ventilator Series



MI 9 Electrical Ventilator

This is a result from the cooperation the application of reliability technical and icro-processor controlled between Shanghai Medical Equipmetn Factory and the Teching and Research Section on reliability of Shanghai No.2 Industrial University.Ventilator comes as a electronic-controlled electric-drivedn,time cycled,volume constant ventilator for the ventilation administration and care for the patient of respiratory failure in emergency site.During transportation of patient,in hospital or at home,with a well designed cylinder pump system the ventilator is able to without an air compressor,output a precise volume and save the time for maintenance. Oxygen concentration in the inhaled gas can be adjusted through a oxygen enrichment kit connected to the gas take-in socket,the ventilator can also be furnished with humidifier,oxygen analyzer,etc.to extend clinical application.With internal battery keeps machine work another 120 minutes.

Main specifications:
Ventilation modes:(IPPV/Assist)IPPV,(SIMV)(Standby),
IPPV/Assist,SIMV,IPPV,Standby
Ventilation frequency:8-40/min
SIMV frequency:2-10/min
Tidal volume:200-1500ml
Inspiratory time:0.5-3s
Trigger sensitivity:-1.0-1.0kPa
High pressure alarm:1.5-6kPa
Low pressure alarm:0.4-3.4kPa
Power supply:AC 220V 50Hz and internal battery 12V
Power consumpton :100W
Dimensions:36.5x32x25.5cm
Weight:18kg
Main specifications:
IPPV/Assist,IPPV,SIMV,PEEP,SIGH
Airway pressure monitor
High/low airway pressure alarm
Apnea alarm
Low battery alarm
System fault alarm





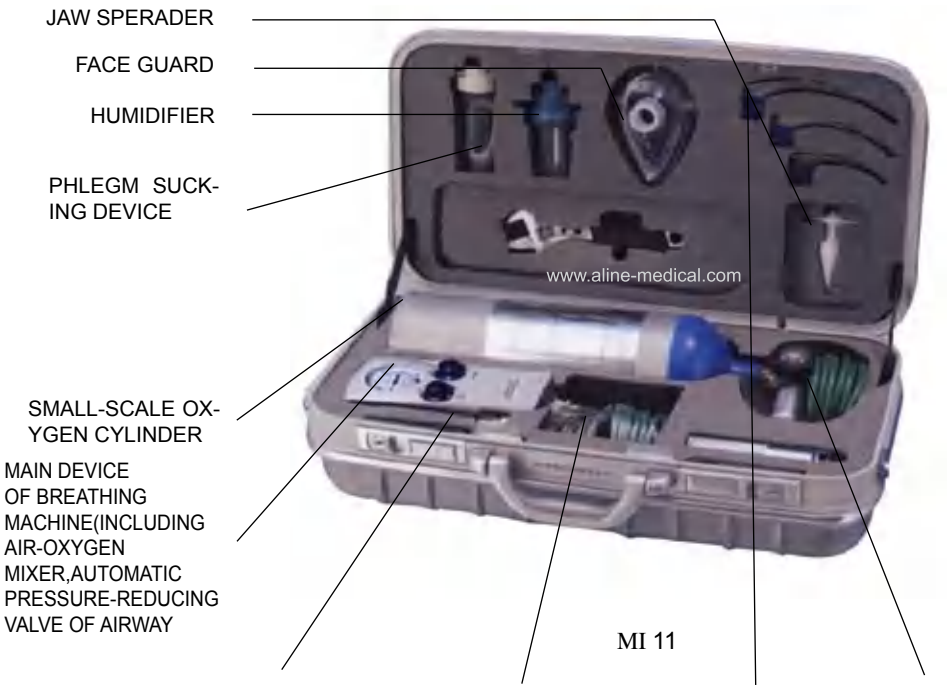
MI 10 Versatile Ventilator

This is a pneumatic-driven and electric-controlled ventilator intended for respiratory rescue and therapy for patients of all ages(from premature to adult). Main parts of this machine are imported,with full functions and superior performance.Ventilator adopts a dual-microprocessor system and integrates most of modern ventilation modes including many kinds of monitoring functions and alarm functions.It also has 100% oxygen enrichment,sigh function and medicament nebulizing function.To make it easy for emergency use the ventilator has an emergency function,just to set oxygen concentration and inspiratory pressure.With a well designed structure,new ventilation mode can be easily added to ventilator by upgrading its software without changing any hardware.

For patients of all ages
Pneumatic-driven and electronic-controlled.Wide ventilation modes including constant volume,constant pressure,pressure support etc.
Dual-microprocessor system,high reliability.
Monitoring of airway pressure and ventilation condition.
Instruction for easy operation.
Built-in alarm functions.
Main specifications:
Respiratory frequency:IPPV:5-60bmp,SIMV:1-12bpm
Inspiratory flow:Infant:4-24L/min(continuous),Adult:10-120L/min(inspiratory phase)
Inspiratory time:0.2-3s for IPPV(VC) and SIMV
Peak pressure:1-9kPa
Inhaled oxygen concentration:21-100%
PEEP/CPAP:0-1.5kPa
Pressure support:0-3.5kPa
Trigger sensitivity:0.1-1.0kPa
Adult:IPPV(VC),IPPV(PC),SIMV,SIMV+PSV,CPAP,PSV
Infant:IPPV(PC),IMV,CPAP continuous flow,pressure limited,time cycle
Emergency:IPPV(PC) constant pressure(02 concentration,inspiratroy pressure key active only)
MV monitoring:0-40L/min,Upper alarm limit:5-40L/min,Lower alarm limit:0-20L/min
Airway pressure monitoring:Pmax Pmean ,Pplat,Peep
Ventilation monitoring:Respiratory Frequency,Minute Volume,Tidal ZVolume
Alarms:air supply deficiency, oxygen dificiency,hose detachment,high airway pressure, low airway pressure,high MV,low MV,apnea,power failure.



Mini-emergency Ventilator



MI 11

Practibility:
Adopt the advanced pneumatic principle to design.Small and light,it is unnecessary of electricity.The adaper compatibility of the air supply is wide,it can join center oxygen-supply system,large or small oxygen cylinder,Plug and use at discretion.Adopt whole packaging in small-scale container,wit h small-scale gas cylinder inside,it is more convenient to carry and use.This product is suitable for first aid out of hospital,transportation of patients after the operation and critical patient' transport in or out of hospital.
Security:
The pressure of airway is showed directly. The airway pressure monitor can guarantee ventilation quality and security in the course of using.The airway presure can be reduced automatically for protection(number of the patent:99214244).The airway pressure will be kept under 50cm H_2O,and will be reduced automatically if reaching 50cm H_2O,to avoid injuring patients' lungs by incorrect operation.

High-efficiency:
Adopt intermittence positive pressure ventilation(definite volume) mode IPPV.Unique air-and-oxygen mixer can make fractional concentration of O_2 in inspired gas (Fi O_2) less than 60%,and can be used in manual ventilation for long times.Tidal volume can be regulated at 100-1000ml,to meet various patients' need.Frequency can be regulated and fixed at 12-30 times per minute,and with the connection of face guard to provide no-wound ventilate.Reduce operation sequence during first aid.
Standard configuration:
Main device of breathing machine(including air-oxygen mixer,automatic pressure-reducing valve of airway),Small-scale oxygen cylingder,Laryngoscopoe,Phlegm sucking device,Humidifier,Jaw Sperader,extention,line,the union pipe of phlegm-sucking(wet),oxygen bridge,spanner of oxygenation,face guard,Nasal Oxygen Cannual with tubing,endotracheal tube.
Physical Parameter:
Weight of main device:0.7kg
Volume of main device:170x78x72mm
Weight of gas cylinder:4kg
Breathing mode:the interinttence positive pressure ventilation(IPPV) mode
Minute volume of ventilation:4-20L/min
Respiratory rate:12-30 times(adjustable in succession perimted difference:±15%
I/E ratio:1:2
Reverse flow pressure of airway:<5kPa(regular)
Tidal volume:100-1000ml per time(adjustable in succession)
Indication range of airway manometer:-2-10kPa
Volume of the gas cylinder:3.2L
Flow of air supply of gas cylinder:0-5 L/min
Oxygen storage pressure for gas cylinder:14.7MPa
Continuous working time of gas cylinder:Around 90 min oxygen concentration:<60%





MI 12

Portable Ventilator
Technical Parameters:
Ventilation Mode:A/C,SIMV,MANUAL
Tidal volume:100ml-1800 ml
Ventilation frequency:4-80bmp
Spont ventilation switch pressure:6-40cm-H_2O
Airway pressure upper limit:20-80cmH_2O
Airway pressure lower limit:0-20cmH_2O
Inspiratory time:0.3s-2s
I/E Ratio:1:1-1:5
Trigger pressure:0-20cmH_2O
Oxygen Concentration:50%,100%
Airway safety pressure:45cmH_2O or 60 cmH_2O
Gas supply pressure:0.28-0.6Mpa
Inner lithium battery:Lithium battery DC7.2v2.2Ah,can works for more then 15 hours
Charger : AC110-220v 50-60Hz
Dimension :185 x 90 x 56(mm)
Weight:1.0kg
All specifications are subject to a tolerance of +/-15%.
Product Feature:
•Ventilation mode:A/C SIMV MANUAL
•Manual button used during CPR
•LCD display
•Multiple Visual and audible alarms
•LED state indicator
•Electro-pneumatically controlled,time/pressure switched and micro-processor monitored
•Compact,portable,lightweight,durable and design



Incubator Series



MI 13

TRANSPORT INCUBATOR
Air mode and Baby mode controlled by micro-computer;
Use AC Power and DC Power alternatively, DC 12V or DC 24V Power on the ambulance;
Set temperature, air temperature, baby temperature and internal battery voltage can be displayed separately;
Failure alarm indication;
Double wall Acrylic glass hood with side door so that the bassinet can be pulled out from it;
Natural air flow humidity;
The height of whole unit can be adjusted;
With Oxygen cylinder and Oxygen supply configuration;
Observation lamp.



MI 14

INFANT INCUBATOR
Air mode and baby mode controlled by micro-computer;
The information can be stored, consulted and indicated by the LCD display screen;
Humidity and oxygen concentration display and servo control;
>37℃ temperature set function;
Double wall hood, air circulation system in the way of air outlet from front and back;
X-ray cassette under the bassinet;
Embedded integrated sensor module, integrated water reservoir in the shape of drawer;
Inclination of bassinet is adjustable;
The height of whole unit can be adjusted;
Failure alarm indication;
RS-232 connector;
Weighing system and Monitor shelf is optional.



MI 15

INFANT INCUBATOR
Air mode and baby mode controlled by micro-computer;
Humidity control system and Oxygen concentration control system;
Set temperature, air temperature, baby temperature, humidity and oxygen are displayed separately;
>37℃ temperature set function;
Failure alarm indication;
Embedded integrated sensor box;
integrated water reservoir in the shape of drawer;
Double wall hood, automatic air circulation device;
Inclination of bassinet is adjustable;
RS-232 connector;
Weighing system and Monitor shelf is optional



MI 16

INFANT INCUBATOR
Air mode and baby mode controlled by micro-computer;
Humidity control system and Oxygen concentration display system;
Set temperature, air temperature, baby temperature, humidity and oxygen are displayed separately;
>37℃ temperature set function;
Failure alarm indication;
Embedded integrated sensor box;
integrated water reservoir in the shape of drawer;
Double wall hood, automatic air circulation device;
Inclination of bassinet is adjustable;
RS-232 connector.



MI 17

INFANT INCUBATOR
Specification:
Air mode and baby mode controlled by micro-computer;
Humidity concentration control system;
Set temperature, air temperature, baby temperature, humidity concentration are displayed separately;
>37℃ temperature set function;
Failure alarm indication;
Embedded integrated sensor box;
Integrated water reservoir in the shape of drawer;
Double wall hood, automatic air circulation device;
Inclination of bassinet is adjustable;
RS-232 connector;
Weighing system and Monitor shelf is optional.



MI 18

INFANT INCUBATOR
Specification:
Air mode and baby mode controlled by micro-computer;
Humidity concentration display system;
Set temperature, air temperature, baby temperature, humidity concentration are displayed separately;
>37℃ temperature set function;
Failure alarm indication;
Embedded integrated sensor box;
Double wall hood, automatic air circulation device;
Inclination of bassinet is adjustable;
RS-232 connector;
Weighing system and Monitor shelf is optional.



MI 19a

INFANT INCUBATOR
Specification:
Air mode and baby mode controlled by micro-computer;
Set temperature, air temperature, baby temperature are displayed separately;
Natural air flow humidity;
Inclination of bassinet is adjustable;
Failure alarm indication;
RS-232 connector
Weighing system and Monitor shelf is optional.



MI 19b

INFANT INCUBATOR
Specification:
Based on MI19, MI20 is configured with fixed Neonate Bilirubin Phototherapy Equipment model: MI27a (with blue fluorescence lamps)
Based on MI19, MI20 is configured with fixed Neonate Bilirubin PhototherapyEquipmentmodel:MI27b(with LED bulb) as optional;
Weighing system and Monitor shelf is optional.



MI 20a

INFANT INCUBATOR
Air temp. servo-controlled by computer
Separate setting temp and real temp. display windows
Various self-check alarms
Removable humidity trough,easy to clean
With the transfusion shelf and tray
RS-232 connector
Phototherapy(option)



MI 20b

INFANT INCUBATOR
Air temp. and skin temp. servo-controlled by computer
Removable humidity trough,easy to clean
Available mattress tilting adjustment
Various self-check alarms
With the transfusion shelf and tray
RS-232 connector
Phototherapy(option)



MI 21

INFANT INCUBATOR
Specification:
Air mode control set temperature and air temperature are displayed separately;
Natural air flow humidity;
Failure alarm indication;
RS-232 connector.



MI 22

INFANT INCUBATOR
Specification:
Based on MI21, MI22 is configured with fixed Neonate Bilirubin Phototherapy Equipment model:MI27a(with blue fluorescence lamps)
Based on MI21, MI22 is configured with fixed Neonate Bilirubin Phototherapy Equipment model: MI27b(with LED bulb) as optional.



MI 23

INFANT RADIANT WARMER
Specification:
Pre-warm mode, manual mode and baby mode controlled by micro-computer;
Set temperature and baby temperature can be displayed separately;
Horizon angle of heater head and inclination of the bassinet can be adjusted;
The panels around bassinet can be disassembled;
APGAR timer;
Failure alarm indication;
RS-232 connector.



MI 24

INFANT RADIANT WARMER
Specification:
Pre-warm mode, manual mode and baby mode control by micro-computer;
Set temperature and baby temperature can be displayed separately;
Horizon angle of heater head and inclination of the bassinet can be adjusted;
The panels around bassinet can be turned outward;
X-ray cassette under the bassinet;
APGAR timer;
Failure alarm indication;
RS-232 connector.



MI 25

INFANT RADIANT WARMER
Specification:
Pre-warm mode, manual mode and baby mode controlled by micro-computer;
Set temperature and baby temperature can be displayed separately;
Horizon angle of heater head and inclination of the bassinet can be adjusted;
The panels around bassinet can be turned outward;
X-ray cassette under the bassinet;
APGAR timer;
Failure alarm indication;
RS-232 connector;
Vertical height adjustment stand and Baby scale is optional.



MI 26a

INFANT RADIANT WARMER
Based on MI26b, MI26a is added with Breath resuscitation bag and Infant head fixing unit.



MI 26b

INFANT RADIANT WARMER
Based on MI25, MI26b is added with LED Phototherapy unit;
Timer to count phototherapy time.



MI 27a



MI 27b

NEONATE BILIRUBIN PHOTOTHERAPY EQUIPMENT
Specification:
Mobile and fixed models; fixed model is special mounted our company's infant incubator;
Blue fluorescent lamp
Timer to count phototherapy time;
Angle of lamp module can be adjusted (for mobile model);
Height of lamp module can be adjusted (for mobile model);
Wheels can be locked (for mobile model).
Max power output:100W(MI27a),50W(MI27b)
Light source:
blue fluorescent tube(MI27a),LED(MI27b)
The heghest total irradiance for bilirubin on the effective surface area:≥1.4mw/cm2(MI27a),≥0.7mw/cm2 (MI27a),≥3.9mw/cm2 (MI27b),≥3.1mw/cm2 (MI27b)



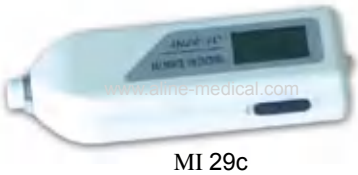
MI 28



MI 29a



MI 29b



MI 29c

MI29 Transcutaneous jaundice detector
Transcutaneous juandice detector is using optical fiber and optical technology.
Electronic and information processing technology which is small and light in appearence.
Specification:
Checking methods:Compare the blue and green light
Indication:Two-figure LED digital display(A),Three-figure LED digital display(one decimal digits)(B,C)
Readable:Switch the measured value into the bilirubin value according to the comparative table(A),Test the bilirubin value directly by the forehead of baby(B,C)
Average counting:No(A,B),Can calculate the measured average values for 2-5 times automatically(C)
Test deviation:0-20 ± 1 21-40 ± 2(A),0-15 ± 1 16-25 ± 1.5(B,C)
Light resource:Xenon-flashing light
Power supply:Nickel xenon battery No.5 of 4 pieces(A),Nickel xenon battery group 4.8V(B,C)
Prepare time of start-up:10s(A,B),5s(C)
Charger:Input 220V 50Hz Output 6V 0.3ADC
Checkout:White screen indicates 00 or 01 yellow screen indicates 20.0 ± 1
Weight:About 340g(A),About 245g(B),About 190g(C)
Volume:171x74x41mm(A),163x66x37mm(B),161x53x30mm(C)
If the technical specification of above product changed,please consult to the sales representative.

MI28 Far-infrared radiant heater
Ceramic plate as the infrared radiation resource,and infrared radiant output can be adjusted.
Angle of radiant box can be adjusted.
Height of radiant box can be adjusted.
Wheels can be locked.
Radiant box,movable stand.
Power supply:AC220V/50Hz
Input power:1000VA
Infrared wave length:5um-10um
Adjusting of heating power:700W/1400W adjust two positions
Rising speed of temperature: ⩾0.3℃/min
Angle of radiant box can be adjusted
Adjusting height of radiant box:1350mm-1750mm
Environment temperature:10℃-20℃
Wind speed of environment:<0.3m/s
Package:each unit is acked to one carton
Size:95.5x65.5x25cm
Gross weight:25kg
If the technical specification of above product changed,please consult to the sales representative.



MI 30a



MI 30b



MI 30c



MI 30d



MI 31

MI31 Neonate eyeshade
Special material,creative design,soft,comfortable,safe,which protects neonate's eyes during the phototherapy treatment.
L:335 ± 10mm,M:295 ± 10mm,S:255 ± 10mm

MI30 Infant non-contact oxygen hood
High transparent acrylic glass material,air & oxygen proportion can be adjusted.
It includes four models:A,B,C,D
And D with beautiful design,insistent to pressure,high strength.
Two sides operating window may be opened,protect curtain,air valve.

Infusion & Syringe Pump Series



MI 32
Micro-Infusion Syringe Pump

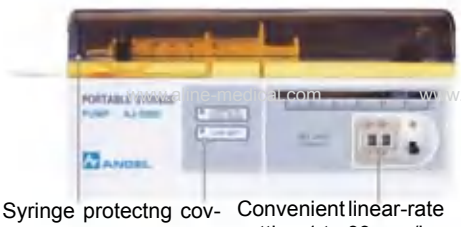
Ambient Temperature:5℃ - 40℃
Power Supply:AC 220V 50Hz or DC 12V (AC110V available if required)
Power Consumption:Less than 25VA
Applicable syringes:20ml,50/60ml or 100ml disposable syringes; Compatible with most brands syringes
Infusion Limitation Options:20ml syringe 0.1ml/h-150ml/h;50/60ml syringe 0.1ml/h-300ml/h;100ml syringe:0.1ml/h-300ml/h;in 0.1 ml/h increments
Syringe Accuracy:Mechanical accuracy including syringe ± 5%
Alarms:Audible alarms with visual indicators of “NEAR EMPTY”, “COMPLETE”, “OCCLUSION”, and “LOW BATT”
Included Accessories:
a)3-core standard power cable b) IV pole clamp c) DC 12v 2-pin plug d) Disposable Tubings
Battery Operation:4 hours continuously operation at 50 ml/hr with built-in rechargeable Ni-MH battery
Dimensions:L × B × H: 335×142×120mm Weight:2.5 kgs / 5.5 lbs



MI 33 Portable Syringe Pump

This portable syringe pump is a conventional apparatus.for analgesia, chemical treatment and insulin injector etc.. It is an advanced product with long-time accurate micro-infusion, carrying and easy operation.

Power Supply:DC 4.5V (3 AA batteries)
Applicable syringes:2ml - 12ml disposable syringes
Flow Rate:1 mm/hr - 99 mm/hr (equals to 0.2 ml/hr - 20 ml/hr)
Syringe Accuracy:less than ± 2 %
Alarms:Audible and Visual Alarms of “COMPLETE / OCCLUSION” and “LOW BATT”
Included Accessories
a) 4 AA batteries b) PCA bolus cable
c) Syringe protecting cover d) Leather carrying belt
P.C.A. Function:Each PCA (Patient-Controlled Analgesia) dosage is 1/4 of preset delivery dosage. The interval between two P.C.A injections is no less than 30 minutes
Dimensions:L × B × H: 166×60×30 mm
Weight:250 g / 0.55 lb
Applications:Can be used in variety of medicine therapies, great for adjustable long term infusion of medication. Indicative application fields are :
- Pain Control Therapy
- Patient transfer or rescue
- Immunoglobulin Infusion
- Heparin Administration
- Chemotherapy in Oncology
- Coronary & Neonatal Care
- Treatment in Thalassaemia
- Geynecology & Obstetrics



Syringe protectng cover for enhanced safety

Convenient linear-rate setting:1 to 99 mm/hr



Portabel/light in weight

Audible and Visual Alarms:Audible and visual alarms of “COMPLETE/ OCCLUSION”and “LOW BATT”



Convenient carrying leather case & PCA bolus cable



MI 34a

Maximuminfusionrate:500ml/h (Different syringes have different maximum rate).
Range of infusion rate:10ml syringe: 0.1-100ml/h
20ml syringe : 0.1-200ml/h
50ml syringe : 0.1-500ml/h
Bolus rate:
10ml syringe : 100ml/h
20ml syringe : 200ml/h
50ml syringe : 500ml/h

Accumulated infusion volume 0.1-999.9ml
Accuracy ±3％
Power supply:AC110-240V, 50/60Hz, 25W.
Battery:Rechargeable lithium battery, 7.4 V, 1650mAh,compliance with the requirements of IEC 60601-1.
Maximum power consumption :25W, running more than 5 hours after being fully charged.
Battery charge:When syringe pump is connected to AC power, the battery will automatically start charging (need8~14hrs).
Fuses:F2.0AL, 250V.
Displayed information:Flow rate, accumulated infusion volume, syringe size, battery capacity, bed No., AC power connecting indication
Alarm information:infusion completion, near completion, occlusion, low battery, syringe abnormal, control abnormal, no AC alarm
Electrical Shock Proof Battery: Class II; AC Power: Type BF .
Applicable syringes 10ml, 20ml and 50ml syringe (use ‘Double Dove’ syringe to test).



MI 34b

Power supply:AC 220V or 110V; built-in rechargeable Ni-MH batteries for emergency
Power consumption Less than 6VA
Applicable syringes:20 ml, 50/60 ml, 100 ml disposable syringes; Compatible with major brand syringes
Time Settings:4min, 8min, 12min, 16min, 20min
Infusion Accuracy:± 20 sec
Flow rate:60 ml/h - 1500 ml/h
Automatic calculation of the delivery rate based on and time pre-selection.
Alarms:Audible and Visual Alarms of “NEAR EMPTY”, “COMPLETE”, “OCCLUSION”, “LOW BATT”
Battery Operation Continuously operation of 15 pieces of 50 ml syringe at 12 minutes setting with built-in rechargeable Ni-MH battery
Included Accessories
a) 3-core standard power cable
b) IV clamp (optional)
Dimensions:L × B × H : 336 × 115 × 120mm
Weight:1.8 kgs / 3.96 lbs



MI 35

Disposable Analgesic Infusion Pump

Disposable Analgesic Pump integrates the technology of microcomputer control. The electromechanical unification technology makes the product realize more effective functions. The operation is simple and convenient; acousto-optic alarm and indicator are more patient friendly. The core mechanical part and the liquid container are disposable. Due to its small size, this product is easy to be carried by patient. This pump provides convenience for Patient-Controlled Analgesia (P.C.A.), which is easier for clinical management and improves the actual effect of medicine treatment

Ambient temperature:5℃ - 40℃
Power supply:AA battery × 2
Medication Reservoirs:100 ml or 260 ml
Flow rate option:Purge; 1, 2, 3, 4, 6, 8, 10 ml/hr
Alarms:Audible and Visual Alarms of “COMPLETE / ERROR” and “LOW BATT”
P.C.A. Function:Each PCA (Patient-Controlled Analgesia) dosage is 1/4 of preset delivery dosage. The interval between two P.C.A injections is no less than 30 minutes
Included Accessories
w/ each Reservoir
a) Disposable Reservoir Box (sterilized package)
b) AA Battery × 2
c) Disposable Extention Tubing
Dimensions L × B × H : 140×95×35mm
Weight:200g / 0.44 lb (one pump with one 100ml reservoir)



MI 36

Volumetric Infusion Pump

This volumetric infusion pump is a conventional apparatus for emergency, treatment and nurseling in hospitals, also mainly and widely used for intravenous infusion, intra-arterial infusion, peritoneal medium & radiography infusion, anaesthesia infusion and chemical therapy in the different departments of general surgery and internal medicine dept. for children and adults, paediatrics, emergency ward, gynaecology, anaesthesia, cardiac-thorax dept. etc. It is a series of products with multi-functional computerised alarming systems and advanced technology. It also owns more advantages not only appearance, function and reliability but also stability compared with other same level products, especially the long-time accurate micro-infusion which can not be realised in conventional way.

Flow Rate Range:1-1000ml/h in 1 ml/h increments
Volume to be Infused:1-9999ml
KVO Flow Rate:1ml/hr (will be activated while “COMPLETE” or “AIR-IN-LINE” alarms)
Compatible I.V set Compatible with most I.V sets
Alarm:Audible and Visual Alarms of “COMPLETE”, “OCCLUSION”, “AIR-IN-LINE”, “DOOR OPEN” and “LOW BATT”
Pumping Mechanism: Linear Peristaltic
Power Supply:AC 220V 50Hz or DC 12V (AC110V available if required)
Power Consumption:Less than 40 VA
Battery Capacity:Approximate 4 hours continuously operation at 50 ml/hr with built-in rechargeable Ni-MH battery
Ambient Temperature:5℃ - 40℃
Coating:Durable rust proof,Housing:Aluminium alloy
Dimension:125(W) × 250(H) × 190(D) mm,Net Weight:4.25 kg / 9.35 lb



MI 37

This volumetric infusion pump is our new product designed for emergency, treatment and nurseling in hospitals, also mainly and widely used for intravenous infusion, intra-arterial infusion, peritoneal medium & radiography infusion, anaesthesia infusion and chemical therapy in the different departments of general surgery and internal medicine dept.

Micro/Macro Infusion Capability,Delivers precise infusions at ratesfrom 0.1 to 1200 ml/h.
Dual Infusion Mode,Infusion rate can be set at drop per minute (D/min) or millilitre per hour (ml/h).
Bolus Capability,Bolus rate from 0.1 to 1200 ml/hr;
volume adjustable from 0.1 to 25 ml,Wide I.V. Set Compatibility
User can easliy calibrate accuracy to Baxter, Abbott and others IV set
Flow Rate Range:0.1-1200ml/h
Flow Rate Increments:0.1ml/hr-10ml/h at 0.1 ml/h incremetns, 10ml/hr-200ml/h at 1 ml/h incremetns, 200ml/hr-1200ml/h at 10 ml/h incremetns
Total Volume Infused Display:0.1-9999ml,KVO Flow Rate:0.1ml or 2ml/h
Purge Rate:1200ml/h,Accuracy:±5%
Compatible I.V Set:Can be calibrated to fit all major brands
BOLUS:Adjustable bolus rate from 0.1 to 1200ml/h with adjustable volume from 0.1 to 25ml
DisplayBright 2.7 inch OLED screen with seperate large LED infusion rate display.
Alarms:Audible and visual alarms including:Infusion complete,Battery low,Door open,Air-in-line,Bag empty,Occlusion,Initialization error,Hold time exceeded,Infusion near end
Multi-Language:English,French,Spanish
Power Source:AC 90V-240V 50/60Hz or DC 12V
Infusion Mode Memory:10 preset infusion modes memory
Battery Capacity:Approximate 3 hous continuously operation at 100 ml/hr with built-in rechargeable NiMH battery pack(6 hours charging)
Net weight:3.0kg/6.6 lbs
Dimensions:172x105x240mm,6 3/4”x4”x6 1/2”



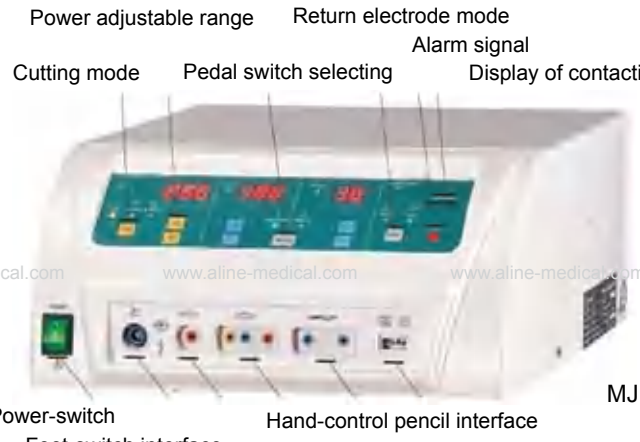
MI 38

Accumulated infusion quantity display:1~9999ml
Accuracy:±5％
KVO rate:1ml/h, keep vein open (KVO) rate
Alarm function:Infusion completion,occlusion,air bubble,low battery,control abnormal,no AC power supply, installation error.
Electrical safety:In according with the stipulation of GB9706.1-199.5
Electromagnetic wave protection:In according with the stipulation of IEC60601-1-2 (1993 edition).
Infusion increment:1ml/h
Applicable infusion sets:All standard infusion sets(use “ double dove” to test)
Feasible preset infusion volume:1~9999ml
Battery:Rechargeable lithium battery,7.4V,1650mAh
displayed information:Flow rate,volume limit,accumulated volume,
power indicator light,bed No.,air,occlusion,empty.
Maximum power consumption:25VA,running more than two hours after being charged
Infusion rate range:1-600ml/h
Fast infusion volume:1.0ml(Fast infusion speed: 600ml/h)
Environment condition:environment temperature 5~40℃,pressure 86~106kPa,relative humidity 20%~80%

High Frequency Electrosurgical Unit



MJ 1a



MJ 1b

www.aline-medical.com

Applications:
General surgery, orthopedic surgery gynecology surgery,cardiac surgery,neurosurgery,urological surgery,etc.
Features:
Automatic Power Inspection System
The microprocessor measures the output power in every 50ms.As soon as the measured value is out of the range, the unit will cut off all output power automatically.
Return Electrode Inspection System
The unit measures the contacting area between patient's skin and return electrode, and it is displayed on the control panel.As soon as the contacting area is dropped to a low dangerous level,power output is cut off at once and the visual & acoustic alarm is activated
Automatic Output Power Compensation Technology
This device adopts the advanced design conception of tissue-response technology. If resistance of tissues keeps getting larger, the output power would increase automatically to keep smooth cutting effect.
Completely Isolated Outout Design
It is type CF isolated(floating) output and can be used for procedures involving the heart.

High Frequency Electrosurgical Unit
●pure cut,Blend Cut,Monopolar Coagulation The maximum power of pure cut can reach 350W for any operation.
●LED Display,soft Touch Panel.Different working modes are labeled in different areas and colors to avoid malfunction.
●Innovative and advanced microprocessor control system adjusts each subsystem precisely. .
EB03 High Frequency Electrosurgical Unit
●pure cut,Blend Cut-1,Blend Cut-2,Monopolar Coagulation,Bipolar Coagulation.
●Malfunction code display for trouble shooting.In case of malfunction,a malfunction code is displayed automatically on control panel.
●In the mode of monopolar coagulation (forced coagulation),the unit will outout high freduency and voltage.It makes a good result of coagulation,especially in the clotting of blood or destruction of tissue with no cutting effect.
●when the bipolar forceps is working,the system measures the tissue resistance automatically in real time.As soon as coagulated, the output power will decrease to prevent electrode from conglutinating the tissues according to the change of tissue resistance till it is coagulated completely.
●TUVP (Transurethral Vaporization of the prostate).Consistent quanlity of vaporization with safe hemostasis and uniform coagulation depth.

MJ1a:

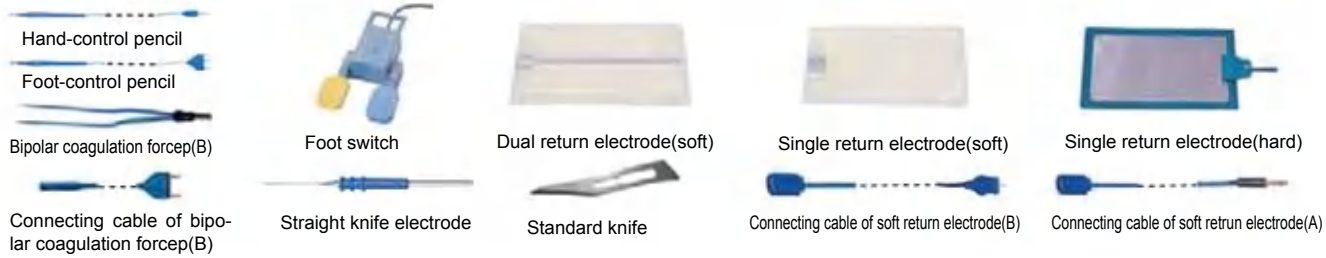
Working	Power	Max Open Voltage/Vp-p	Crest Factor	Load
Pure Cut	0—350W	3200V	1.7	500Ω
Blend Cut	0—250W	3800V	2.9	500Ω
Monopolar Coagulation	0—100W	4200V	4.8	1000Ω
Dimensions	365*462*190mm(L*W*H)			
Weight	17(Kg)			
Rated Voltage	220V±10%/50Hz,110V±10%/60Hz			

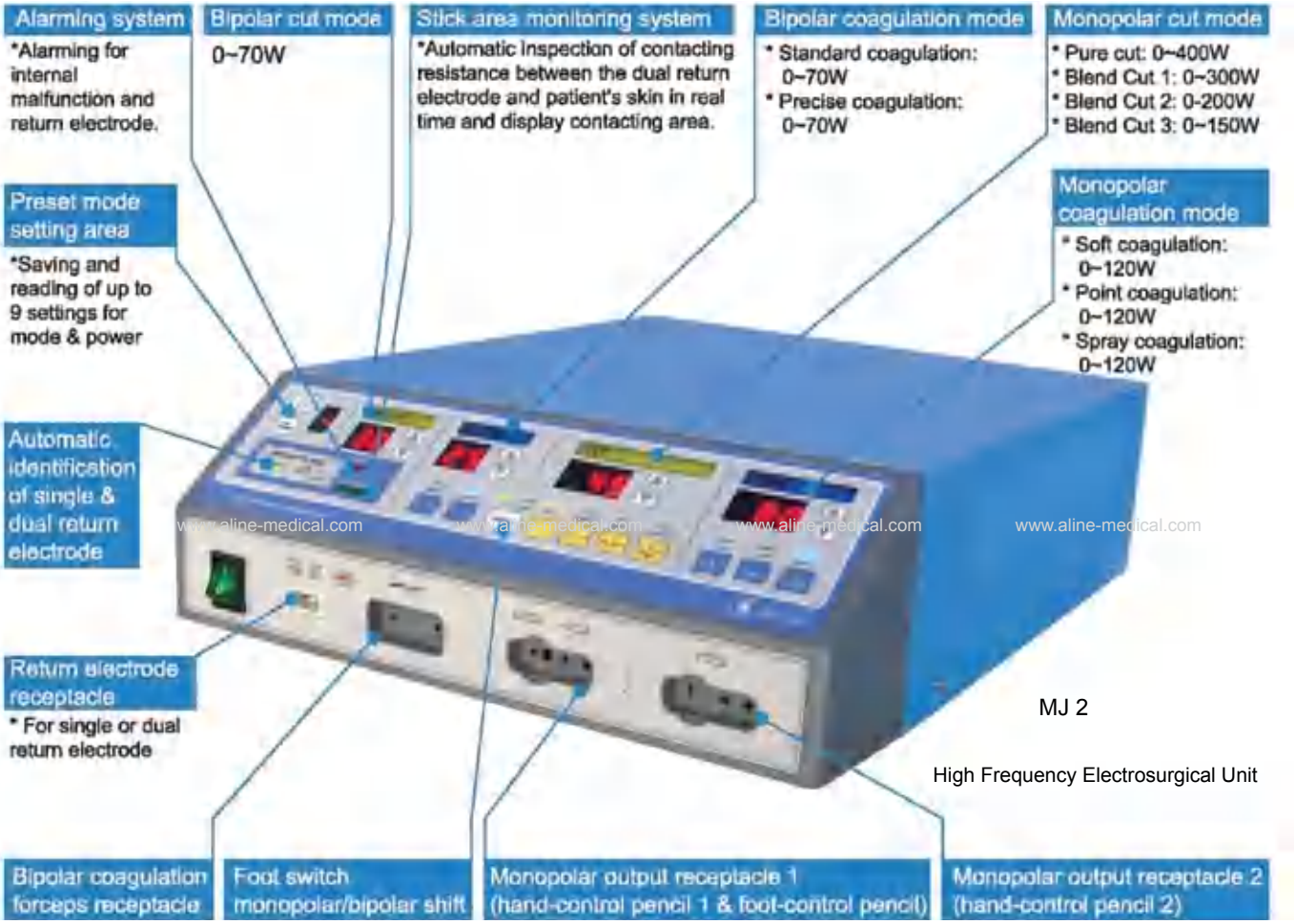
MJ1b:

Working	Power	Max Open Voltage/Vp-p	Crest Factor	Load
*Pure Cut	0—350W	2100V	1.7	500Ω
Blend Cut1	0—250W	3500V	2.9	500Ω
Blend Cut2	0—200W	3500V	3.5	500Ω
Monopolar Coagulation	0—100W	4600V	4.8	500Ω
Bipolar Coagulation	0—50W	350V	1.4	100Ω
Dimensions	395*510*200mm(L*W*H)			
Weight	18(Kg)			
Rated Voltage	220V±10%/50Hz,110V±10%/60Hz			

Maximum power 400W of pure cut mode is optional upon request(only for B)

Standard Accessories

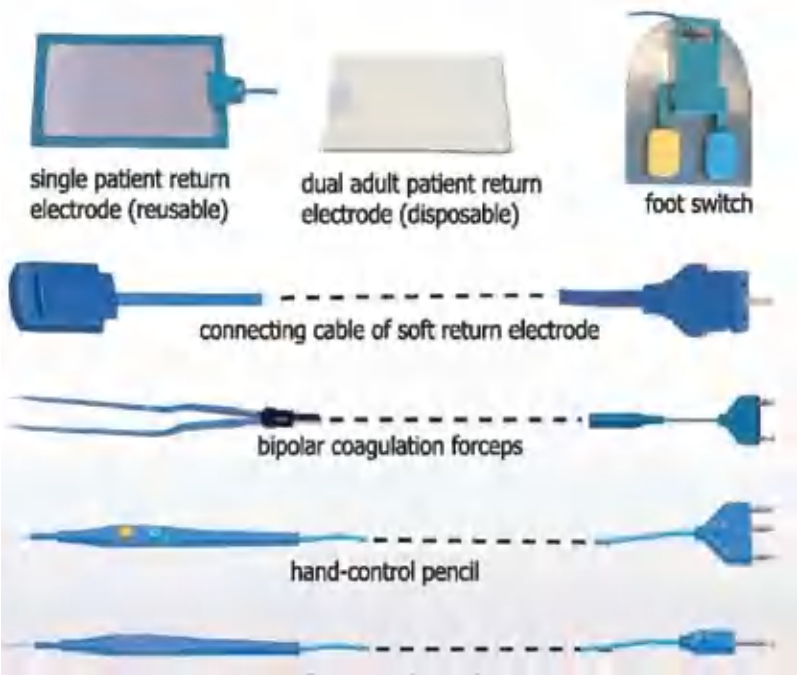




MJ 2

High Frequency Electrosurgical Unit

Standard accessories:



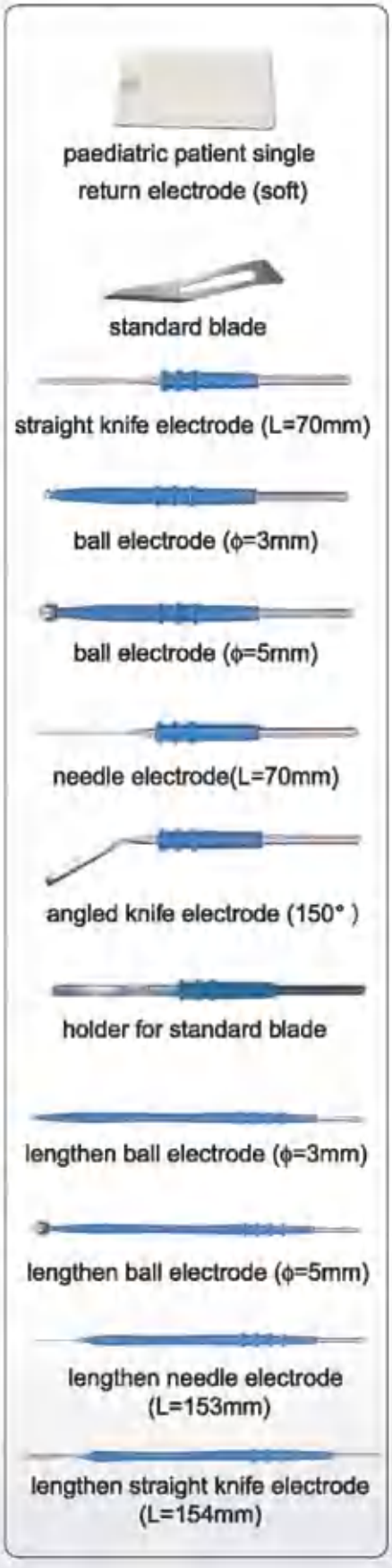
foot-control pencil

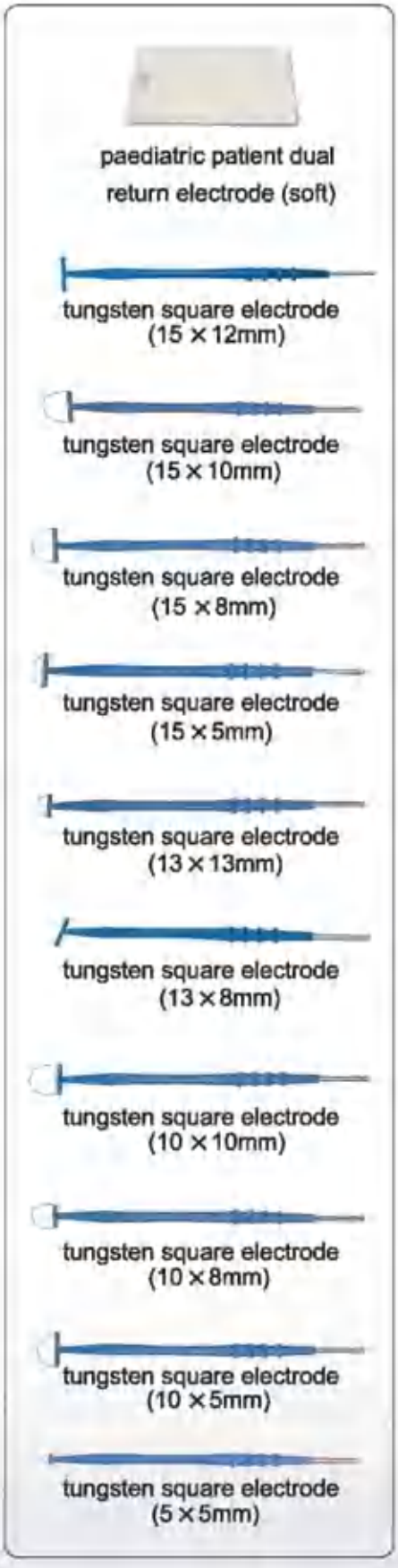
Technical specifications:

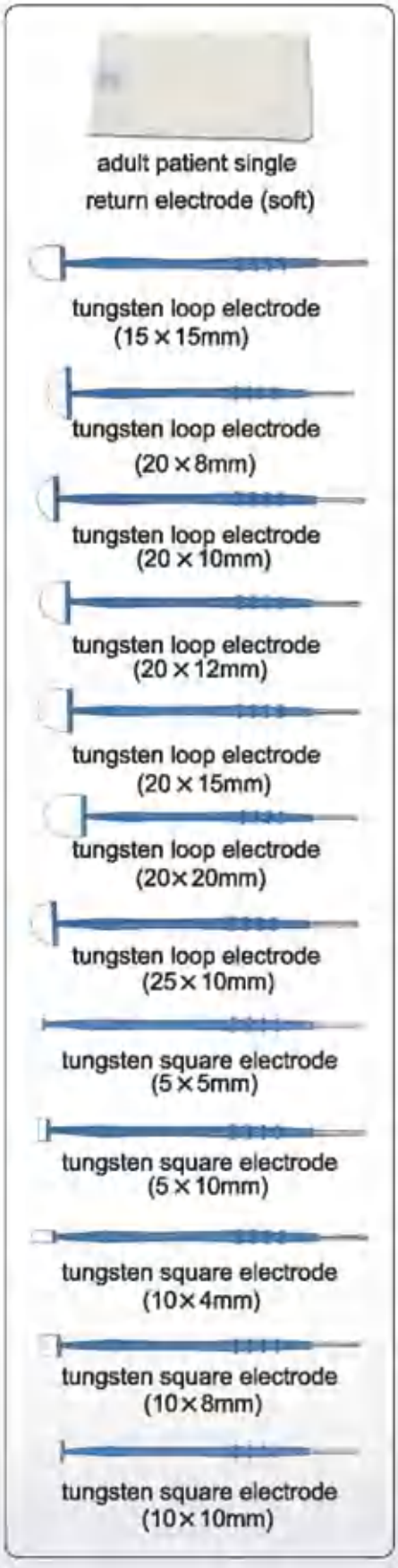
Working Mode	Power (Watts)	Load (Ω)	Max open Voltage/VP-P (V)
Monopolar cut			
Pure cut	400	500	2300
Blend cut 1	300	500	2700
Blend cut 2	200	500	3200
Blend cut 3	150	500	3700
Monopolar Coagulation			
Soft	120	500	3400
Point	120	500	5600
Spray	120	500	8500
Bipolar cut			
Bipolar cut	0~120	500	1450
Bipolar Coagulation			
Standard	0~70	200	360
Precise	0~70	500	240

Dimensions(W×H×D)	525×410×160mm
Weight(net)	15kg
Rated Voltage	230V/50Hz 110V/60Hz(Optional)

Optional Accessories:







Peritoneal pressure inspect system

Gas flow control system

Obstruction indication and purge system(for argon handset tubing or peritoneal pressure tubing

Argon tank indication and control system



MJ 3

Peritoneal pressure tubing receptacle

Argon handset gas supply receptacle

Radio frequency(RF) input receptacle

Argon handset receptacle

Standard accessories:



ESU interface cable

argonplus handset



argon gas tank regulator assembly

Low flow mode	0.5~4LPM ±15% of full scale low flow mode
Standard flow mode	0.5~12LPM ±15% of full scale low flow mode
Temperature	10℃~40℃
Relative Humidity (RH)	≤80%
Air Pressure	860hPa~1060hPa
Input Power	AC230/50Hz AC110/60Hz
0.3micron internal filter, 5 micron external filter	
Audio and visual alarm, user selectable setpoint	
Temperature	-40℃~65℃
Relative Humidity (RH)	≤95%
Air Pressure	500hPa~1060hPa
Weight (Net)	12.5Kg
Dimension (LxWxH mm)	585×410×155

Medical Electric Knife Series



MJ 4

Pure cut:15-300W, adjustable step is 15W
Blend cut:10-200W, adjustable step is 10W
Monopolar coagulation:5-99W, adjustable step is 5W
Bipolar coagulation:5-50W, adjustable step is 1W



MJ 5

Pure cut:10-200W, adjustable step is 10W
Blend cut:10-150W, adjustable step is 10W
Monopolar coagulation:5-99W, adjustable step is 5W
Bipolar coagulation:1-50W, adjustable step is 1W



MJ 6

Pure cut:5-100W, adjustable step is 5W
Blend cut:10-100W, adjustable step is 5W
Monopolar coagulation:3-60W, adjustable step is 3W
Bipolar coagulation:1-50W, adjustable step is 1W



MJ 7

Pure cut:15-300W, adjustable step is 15W
Blend cut:10-200W, adjustable step is 10W
Monopolar coagulation:5-99W, adjustable step is 5W



MJ 8

Pure cut:10-200W, adjustable step is 10W
Blend cut:10-150W, adjustable step is 10W
Monopolar coagulation:5-99W, adjustable step is 5W





Single Channel Electrocardiograph Series



MK 1



Inner handhold



Standard Accessories

Feature:
High resolution thermal array printer
High frequency response reach to 150Hz
Capable of printing continuous one channel trace and annotations including lead mark and such parameters as sensitivity,paper speed,and filter operation status
High resolution digital filter aviod baseline drift,AC,EMG,DFT
One-touch operation able to enhance efficiency and relieve operating strain
Safety standard meets IEC.Class I,type CF
Visual status due to light indicated touch-keys
Rechargeable battery supporting 50 examinations
Power off automatically after 5 minutes non-operation
Under the automatic mode pressing key MODE continuously can keep recording when abnormal lead is found
Specifications
Lead:Standard 12 leads
Input circuit:Isolated input circuit with protection against pacemaker and defibrillator
Patient leakage current:<10μA
Input impedance: ⩾ 50MΩ
Calibration voltage:1mV±2%
Frequency responce:0.05-150Hz
Time constant:>3.2s
CMRR:>100dB
EMG filter:35Hz(-3dB)/25Hz(-3dB)
Sensitivity:5,10,20mm/mV±3%
Printer:high resolution thermal array printer
Paper speed:25,50mm/s
Recording paper:thermal printing paper roll 50mmx20m
Input circuit current: ⩽ 50nA
ECG output:1V/mv±5%,single ended output ⩽ 100Ω
Safety level:IEC class I,type CF
Power requirements:AC:220/110V,50/60Hz,15VA
DC:12V rechargeable battery
Polarizing voltage:±500mV
Baseline control:auto-adjustable
Noise level: ⩽ 15μVp-p
Dimension:310x230x70mm
Dimension of packing:410x280x200mm
N.W:2.69kgs G.W:4.65kgs



MK 2



Inner handhold



Standard Accessories

Feature:
Digital isolation technology minimized signal interference
Wide screen LCD with 3 lead waveforms display
Optional rhythm lead detection for observing abnormal heart rate
Languages options:English,Russian and Chinese
Build-in rechargeable battery,AC/DC supply
Power off automatically after long time non-operation
High resolution thermal array printer
Advanced keyboard design and user friendly menu interface for delightful operating experience
Specifications
Lead:Standard 12 leads
Input circuit:Isolated input circuit with protection against pacemaker and defibrillator
Patlent leakage current:<10μA
Input impedance: ⩾ 50MΩ
Calibration voltage:1mV±5%
Frequency responce:0.05-150Hz
Time constant:>3.2s
Sensitivity:2.5,5,10,20mm/mv
Noise level:<15μVp-p
Printer:high resolution thermal array printer
Paper speed: 6.25,12.5,25,50mm/s
Recording paper:thermal printing paper roll 50mmx20m
Input circuit current: ⩽ 50nA
ECG output:1V/mv±5%,single ended output ⩽ 100Ω
Safety level:IEC class I,type CF
Power requirements:AC:220/110V,50/60Hz,40VA
DC:12V rechargeable battery
Diaplay:240x128 pixel wave-form display
Baseline control:auto-adjustable
Dimensior:310x230x70mm
Dimensior of packing:410x300x200mm
N.W:2.3kgs



MK 3



Standard Accessories

Feature:
Wide screen LCD with two auto operation modes
Auto recall of previous operation mode and paper feeding speed
Compatible of coil paper and folded sheet
AC/DC power supply,energy saving and environmental protection
Built-in Li-ion rechargeable battery,above 100 minutes continuous work when it is full and no-operation auto shutdown within 10 minutes
High-grade technological design
Smart appearance with the weight of 2 Kgs ensures higher portability and operation simplicity,suitable for varied occasions
Built-in digit filter can clear up interference from AC,EMG and DFT
Specifications
Lead:Standard 12 leads,single channel 12 lead acquisition
Input circuit:Isolated input circuit with protection against pacemaker and defibrillator
Input impedance: ⩾ 50MΩ
Input circuit current: ⩽ 0.1μA
Calibration voltage:1mV±3%
Polarizing voltage:±500mV
Sensitivity:5,10,20mm/mv±3%
Paper speed: 25,50mm/s±3%
Time constant:>3.2s
Noise level: ⩽ 15μVp-p
Frequency rooponce:0.05-150Hz
CMRR:>100dB
Recording paper:50mmx20mm(30mm),roll type;50mmx75mmx20m,zip fold
Operatin Mode:auto1:automatic lead change;manual:manual lead change
Printer:thermal printer:8 dot/mm(vertical);32 dot/mm(horizontal,25mm/s)
EXT(customized):Input impedance: ⩾ 100kΩ,Sensitivity:10mm/mV±5%,Input voltage range:±2.5V,Single ended input
CRO(customized):Output impedance: ⩽ 100Ω,Single ended output,Sensitivity:1V/mV±5%(10mm/mV)
Safety level:IEC Class I,type CF
Power requirements:AC:100-240V,50Hz/60Hz,40VA
DC:Li-ion rechargeable battery,14.4V,1250mAh
Dimensior:280x216x66mm
N.W:2kgs



MK 4

Digital Single Channel ECG Machine
High resolution thermal array printer
Isolated input circuit with protection against defibrillation and pacemaking
192x64 character LCD (4 line) to display setting menu and operating conditions
2 channel printout format for recording rhythm lead and standard 12 lead ECG
Dual power operation, AC and NI-MH battery supporting 1 hour operation
AC, EMG, DFT filter



Lead	Standard 12 lead	A/D Converter	12 bit
Input Circuit	Isolated: Protection against pace making and defibrillation	Recording Paper	Roll paper 50mmx20m (30m)
		Operation Mode	AUTO/MAN
		Printer	Thermal array printer
Input Impedance	≥50MΩ	Baseline Control	Automatic position
Input Circuit Current	≤50nA	Rhythm Lead	Standard 12 lead
Calibrating Voltage	1mV±3%	Lead Change	Automatic/Manual
Skin Voltage Tolerance	±300mV	External Signal	10mm/mV±5%; Single ended≥100KΩ
Sensitivity	5, 10, 20mm/mV	ECG Output	0.5V/mV±5%; Single ended≤100Ω
Filter	AC: 50Hz(-20dB); EMG: 35~45Hz(-3dB)	Safety Level	Class I, Type CF
Paper Speed	25, 50mm/s±3%	Power Requirements	AC: 220V, 50Hz/110V, 60Hz DC: Built in rechargeable battery Supporting 50 exams after complete charging
Time Constant	≥3.2s (0.+20%)		
Noise Level	≤15 μV_{pp}		
Frequency Response	0.05~150Hz (-3dB)		
CMRR	≥100dB	Package	640x400x530mm (4 sets); 240x310x370mm (1 set)
Sampling Rate	1ms	Weight	3.5Kgs



MK 5

CE CertifiedDigital Single Channel ECG Machine
High resolution thermal array printer
Isolated input circuit with protection against defibrillation and pacemaking
192x64 graphic LCD to display setting menu and operating conditions in 4 line, and ECG waveform
2 channel printout format for recording rhythm lead and standard 12 lead ECG
Dual power operation, AC and NI-MH battery supporting 1 hour operation
AC, EMG, DFT filter



Lead	Standard 12 lead	A/D Converter	12 bit
Input Circuit	Isolated: Protection against pace making and defibrillation	Recording Paper	Roll paper 50mmx20m (30m)
		Operation Mode	AUTO/MAN
		Printer	Thermal array printer
Input Impedance	≥50MΩ	Baseline Control	Automatic position
Input Circuit Current	≤50nA	Rhythm Lead	Standard 12 lead
Calibrating Voltage	1mV±3%	Lead Change	Automatic/Manual
Skin Voltage Tolerance	±300mV	External Signal	10mm/mV±5%; Single ended≥100KΩ
Sensitivity	5, 10, 20mm/mV	ECG Output	0.5V/mV±5%; Single ended≤100Ω
Filter	AC: 50Hz(-20dB); EMG: 35~45Hz(-3dB)	Safety Level	Class I, Type CF
Paper Speed	25, 50mm/s±3%	Power Requirements	AC: 220V, 50Hz/110V, 60Hz DC: Built in rechargeable battery Supporting 50 exams after complete charging
Time Constant	≥3.2s (0.+20%)		
Noise Level	≤15 μV_{pp}		
Frequency Response	0.05~150Hz (-3dB)		
CMRR	≥100dB	Package	640x400x530mm (4 sets); 240x310x370mm (1 set)
Sampling Rate	1ms	Weight	3.5Kgs

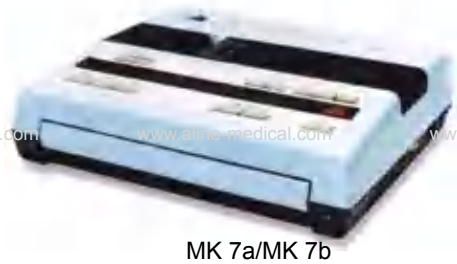


MK 6

Specifications
Input circuit current: ⩽ 50nA
Input impedance: ⩾ 50MΩ
Skin voltage tolerance:±300mV
Calibration voltage:1mV±3%
Patient leakage current: ⩽ 10μA
Frequency response:0.05-85Hz(-3dB)
Time constant: ⩾ 3.2s
Noise level: ⩽ 15mV_{p-p}
CMRR: ⩾ 100dB
Baseline drift: ⩽ 0.3mm
Sensitivity:5,10,20mm/mv
Printer:Stylus
Recorder Range:±20mm
Linearity tolerance:±5%
Paper speed:25,50mm/s±3%
AC power:220V,50Hz/110V,60Hz
Rechargeable:12V,1.2Ah;Supporting 50 exams after complete charging
Package:760x550x450mm for 4 sets in 1 carton,240x450x370mm for 1 set in 1 box
Weight:5kgs



Automatic lead change
AC/Rechargeable battery
Stylus recording system
Protection against defibrillation
Powerful AC & EMG filter



MK 7a/MK 7b

Single Channel Electrocardiograph
MK7a is an AC/DC operated dlectrocardiograph which meets the GB9706.11 Class B/CF type safety standard.It has antidisturbance filters for EMG and HUM,position feedback drive and fine frequency response,which ensures it can attain high fidelity even under the hardest circumstance. Automatic/manral.
Major techncal standard
Input current:1x10^{-7}A
Leads:standard 12 leads of I,II,III AVR,AVL,AVF,V--V6
Polarization voltage: ± 300mV
Scaling voltage:1mV ± 5%
Frequency response:0.05-100Hz-3dB
Time constant:3.2s
Noise level:15mVp-p
CMRR: ⩾ 60dB
Interference suppression: "HUM"50Hz-20dB,"EMG"35Hz-3dB
Gain control:0.5,1.2cm/mV
Lineareity: ± 10%
Shift amplitude: ⩾ ± 20mm
Paper speed:25mm/s ± 5%,50mm/s ± 5%
Lagerr: ⩽ 0.2mm
Automatic:Leads 1 mv CAL
Oscillographic output: ⩽ 100 Ω
Output voltage:1V/mV ± 5%
Frequency response:250Hz-3dB
Input DC singal:(MK 7b)
Sensitivity:10mm/V ± 5%
Input impedance: ⩾ 100K Ω (MK 7b)
AC power supply:220V ± 22V 50Hz ± 1Hz
DC Supply:12V,2Ah
Dimensions:330x285x85mm
Weight:<5Kg(including battery)
Power consumption:30W
Safety standard:Meeting the GB9706.1 standard



MK 8

Single channel automatic electrocardiograph (modified model)is a new generation automatic electrocardiograph that adopts the advanced thermal array technology and the newest 32 digits microcontroller,
The output of the ECG device is a thermal array printer with high resolution,without need to adjust. The frequency response up to 150 Hz eliminates the non-linear,damp situations of the traditional thermal array type ECG device.With the use of 32 digits microcontroller,the corresponding digital filter's accuracy is better than the 16 digits system used before.So the suppression capability of baseline drift increases,and the filter effect of working frequency and myoelectricity interference improve greatly to minimize the effect to ECG waveform.
The ECG device can record all leads operation conditions by press one key in auto mode,and record waveforms and interpretations at the same time. The interpretations include leads,sensitivity,paper speed,filter status and so on.
The ECG device has a LCD screen,display the status of the device on real time.The "prolong"key can record the abnormal waveform continually when in auto mode.
Technical Parameters:
Record mode:thermal array printer
Record width:48mm
Frequency response:0.05-150Hz
A/D:16 digits
Paper speed:50 mm/s,25mm/s
AC power:100-265V,50-60Hz
Dimensions:315x225x66mm
Weight:<3Kg(including battery)
Power:30W
Safety standard:meet the GB9706.1,I class,CF type safety standard



MK 9

Digital Electrocardiograph
Features:
Synchronously acquisition of 12-lead ECG wavefors and Auto measurement printer report;
320x240LCD 12-leads ECG and operation menu display;
Store and print the ECG of eight patients;
AC EMG and DFT filters;
AC and DC power supply,built-in rechargeable battery;
Strictly follows IEC60601-1 Class I,type CF safety standard
Specifications:
Lead:Standard 12 leads,European leads
Input Circuit:Floating,Protection against defibrillator effect
Calibrating voltage:1mV ± 2%
Sensitivity:auto,5,10,20mm/mV
Recording System:Thermal-array
Speed:25,50mm/s
Rafety:Standard IEC class I,type CF
Power supply AC:220V(110V),50Hz/60Hz,30VA
DC:12V-1500mAh NI-MH
Dimensions:290x205x65mm,Net weight:2.1kg

Three Channel Electrocardiograph Series



MK 10



Inner handhold



Standard Accessories

Feature:
High resolution thermal array printer,high precision 12 leads collection in phase as well as 3 leads printing in phase
Digital filter,baseline auto-adjustable
LCD displays operation menu.DC/AC auto-exchange
Automatic measurement,interpretation with high speed
Elegant and compact appearance,with inner handhold
Specifications
Lead:Standard 12 leads
Input circuit:Floating;Protection against defibrillator effect
Input impedance: ⩾ 50MΩ
Patlent leakage current:<10μA
Input circuit current: ⩽ 0.04μA
Calibration voltage:1mV±2%
Frequency responce:0.05-150Hz
Time constant:>3.2s
CMRR:>100dB
Filter:AC:50Hz(-20dB);EMG:35-45Hz(-3dB);DFT: ⩽ 0.45Hz
Sensitivity:5,10,20mm/mV±3%
Polarizing voltage:±500mV
Noise level: ⩽ 15μVp-p
Baseline control:auto-adjustable
ECG output:1V/mv±5%,single ended output ⩽ 100Ω
Power requirements:AC:220/110V,50/60Hz,15VA
DC:12V rechargeable battery
Safety level:IEC class I,type CF
Operation mode:Auto or manual
Analysis function:ECG parameters auto-measure,auto-analysis
Printer:high resolution thermal array printer
Paper speed:25,50mm/s
Recording paper:roll 63mmx30m
Dimensior:310x230x70mm
Dimensior of packing:410x280x200mm
N.W:2.75kgs G.W:4.8kgs



MK 11



Inner handhold



Standard Accessories

Feature:
Digital filter minimized signal interference
High resolution and precision thermal array printer
Languages options:English,Russian and Chinese
Selectable of printing the analysis report and representative beats
The large LCD brightness and contrast are adjustable
Histogram and trend chart for R-R interval analysis
Intornal memory supporting ECG date and waveforms store and re-call
Advanced keyboard design and user friendly menu interface for delightful operating experience
Specifications
Lead:Standard 12 leads
Input circuit:Floating;Protection against defibrillator effect
Input impedance: ⩾ 50MΩ
Patlent leakage current:<10μA
Input circuit current: ⩽ 0.04μA
Calibration voltage:1mV±2%
Frequency responce:0.05-150Hz
Time constant:>3.2s
Filter:AC:50Hz(-20dB);EMG:35-45Hz(-3dB);DFT: ⩽ 0.45Hz
Sensitivity:2.5,5,10,20mm/mV±3%
Noise level: ⩽ 15μVp-p
Baseline control:auto-adjustable
Power requirements:AC:220/110V,50/60Hz,40 VA
DC:12V rechargeable battery
Safety level:IEC class I,type CF
Operation mode:Auto,manual and ryhthm
Analysis function:ECG parameters auto-measure,auto-analysis
Printer:high resolution thermal array printer
Paper speed:6.25,12.5,25,50mm/s
Recording paper:roll:63mmx30m
Dimensior:310x230x70mm
Dimensior of packing:410x280x200mm
N.W:2.4kgs G.W:4.6kgs



MK 12



Standard Accessories

Feature:
Real time 3 channel print out:Roll/zip fold thermal recording paper of 63mm in width for real time 3 channel print out of ECG trace,measurement and interpretation
Arrhythmla detection:Able to detect arrhythmia by analyzing 100 heartbeats and output comressed ECG traces and interpretation of R-R interval
Standard 3 channel print out
Interpretation of ling R-R interval
High quality technology:
Small weight,grace appearance,and portable design make the unit easy to operate and applicable to different circumstances
Communication with PC:Capable of communicating with PC,through the built in RS232 interface,for further viewing and management of satndard ECG trace and interpretation
Unique digital filter:Specially designed digital filter for effective elimination of interference concerning AC,EMG and baseline drift
Built in rechargeable lithium battery
Specifications
Lead:Standard 12 leads,simultaneous acquisition
Input circuit:Isolated input circuit with protection, pacemaker and defibrillator
Input impedance: ⩾ 50MΩ
Input circuit current: ⩽ 0.1μA
Calibration voltage:1mV±3%
Polarizing voltage:±500mV
Sensitivity:2.5,5,10,20mm/mV±3%
Filter:AC:50Hz(-20dB);EMG:35-45Hz(-3dB);DFT: ⩽ 0.45Hz
Paper speed:25,50mm/s±3%
Time constant:>3.2s
Noise level: ⩽ 15μVp-p
Frequency responce:0.05-150Hz
CMRR:>100dB
Recording paper:
roll:63mmx20m(30m),zip fold:63mmx75mmx20m
Operation mode:Auto/manual
Printer:high resolution thermal array printer
Baseline control:automatic elimination of baseline drift,automatic adjustment of baseline position
Rhythm lead:selectable among standard 12 leads
DC Input:10mm/v±5%,single ended input ⩾ 100kΩ
ECG output:1V/mV±5%,
single ended output ⩽ 100Ω
Safety level:IEC class I,type CF
Power requirements:
AC:100-240V,50/60Hz,DC:built in charger and Li-ion battery supports continuous operation for more than one hour after completely charged
Dimensior:280x216x66mm
N.W:2kgs



MK 13

Feature:
Digital isolaton technology minimized signal interference
Histogram and trend chart for R-R interval analysis
Waveform and patient information replay
Languages options:English,Russian and Chinese
Preview waveform of the currently examining patient before printing
Selectable of printing the analysis report and representative beats
Inputting name & age of patient and name of hosital & doctor by operator
The LCD brightness and contrast are adjustable
USB port for real-time data transmit to PC
Optional SD card supporting the maximum data capacity of 2 GB,up to 10000 copies of patient data storage



Optional for carrying suitcase



Optional SD card for massive data storage



USB and reserved and LAN port

Specifications
Lead:Standard 12 leads,simultanous acquisition
Input circuit:Floating,protecting against defibrillation and pacemaker effect
Input impedance:>50MΩ
Patient leakage current:<10μA
Input circuit current: ⩽0.1μA
Calibration voltage:1mV±3%
Frequency responce:0.05-150Hz
Time constant: ⩾3.2s
CMRR:>60dB,>100dB(with AC interference filter)
Filter:AC,EMG,DFT
Sensitivity:5,10,20mm/mV
Noise level: ⩽15μVp-p
Power requirements:
AC:100-240V,50/60Hz,50VA,
DC:14.8V rechargeable Li-ion battery
Safety level:IEC class I,type CF
Display:320x240LCD with backlight
Operation mode:Automatic or manual
Analysis function:ECG parameters auto-measure,auto-analysis
Printer:high resolution thermal array printer
Paper speed:12.5,25,50mm/s
Recording paper:
63mmx30m or 63mmx20m,roll paper
63mmx75mmx20m, fan-fold paper
Dimensior:268x206x67.5mm
N.W:3.3kgs



MK 14

CE Certified Three Channel Intepretive ECG Machine
1/2/3/3+2 channel printout format
Simultaneous 12 lead acquisition
Isolated input circuit with protection against defibrillation and pacemaking
Automatic measurement and interpretation of standard ECG parameter
192x64 character LCD (4 line) to display setting menu and operating conditions
Built in RS232 interface supporting data transmission to PC
Dual power operation, AC and Li-ion battery supporting 2 hour operation
AC, EMG, DFT filter
Paper size: 63mmx20m roll type







Lead	Standard 12 lead	A/D Converter	12 bit
Input Circuit	Isolated; Protection against pace making and defibrillation	Recording Paper	Roll paper 63mmx20m (30m)
		Operation Mode	AUTO/MAN
		Printer	Thermal array printer
Input Impedance	≥50MΩ	Baseline Control	Automatic position
Input Circuit Current	≤50nA	Rhythm Lead	Standard 12 lead
Calibrating Voltage	1mV±3%	Lead Change	Automatic/Manual
Skin Voltage Tolerance	±300mV	External Signal	10mm/mV±5%; Single ended≥100KΩ
Sensitivity	5, 10, 20mm/mV	ECG Output	0.5V/mV±5%; Single ended≤100Ω
Filter	AC: 50Hz(-20dB); EMG: 35~45Hz(-3dB)	Safety Level	Class I, Type CF
Paper Speed	25, 50mm/s±3%	Power Requirements	AC: 220V, 50Hz/110V, 60Hz DC: Built in rechargeable battery Supporting 50 exams after complete charging
Time Constant	≥3.2s (0, +20%)		
Noise Level	≤15 μV_{p-p}		
Frequency Response	0.05~150Hz (-3dB)	Package	640x400x530mm (4 sets); 240x310x370mm (1 set)
CMRR	≥100dB	Weight	3.5Kgs
Sampling Rate	1.25ms		



MK 15

Three Channel Intepretive ECG Machine
2/3/3+2 channel printout format
Simultaneous 12 lead acquisition
Isolated input circuit with protection against defibrillation and pacemaking
Automatic measurement and interpretation of standard ECG parameter
3.5 inch 320x240 LCD to display setting menu and 3 channel ECG wave-form
Built in RS232 interface supporting data transmission to PC
Dual power operation, AC and Li-ion battery supporting 2 hour operation
AC, EMG, DFT filter
Paper size: 63mmx20m roll type

Lead	Standard 12 lead	A/D Converter	12 bit
Input Circuit	Isolated; Protection against pace making and defibrillation	Recording Paper	Roll paper 63mmx20m (30m)
		Operation Mode	AUTO/MAN
		Printer	Thermal array printer
Input Impedance	≥50MΩ	Baseline Control	Automatic position
Input Circuit Current	≤50nA	Rhythm Lead	Standard 12 lead
Calibrating Voltage	1mV±3%	Lead Change	Automatic/Manual
Skin Voltage Tolerance	±300mV	External Signal	10mm/mV±5%; Single ended≥100KΩ
Sensitivity	5, 10, 20mm/mV	ECG Output	0.5V/mV±5%; Single ended≤100Ω
Filter	AC: 50Hz(-20dB); EMG: 35~45Hz(-3dB)	Safety Level	Class I, Type CF
Paper Speed	25, 50mm/s±3%	Power Requirements	AC: 220V, 50Hz/110V, 60Hz DC: Built in rechargeable battery Supporting 50 exams after complete charging
Time Constant	≥3.2s (0.+20%)		
Noise Level	≤15 μV_{pp}		
Frequency Response	0.05~150Hz (-3dB)	Package	64x53x40cm for 4 sets 24x31x37cm for 1 set
CMRR	≥100dB		
Sampling Rate	1.25ms	Weight	3.5Kgs



MK 16a

3 channels real time print, width of paper 80mm
12 leads ECG signals simultaneously acquisition
Acquisition rate: 1000 samples/sec/channel
High resolution thermal printer, frequency response: 0.05-150 Hz
Digital filters eliminate EMG, AC, Drift interference
Simple operation with quick color keys
Indication of electrodes off or poor connection,LCD display
Conformity standards: IEC, 1-CF type
Power supply with AC/DC internal Ni-MH batteries
Lead: 12 leads, Standard or Cabrera
Acquisition mode: 12 leads simultaneously acquisition
Sampling rate: 1 KHz,A/D converter: 12 bits
Recording mode: AUTO1~ AUTO4, MANUAL, Long term(60sec)
Parameter measurement: Heart rate, etc
Filter: AC(50Hz or 60Hz, -20dB),EMG(25Hz or 35Hz, -3dB),Drift(0.5Hz, -3dB)
CMRR: >80dB, >100dB(with AC filter in use)
Input circuit current: ≤ 0.1uA,Input impedance: >5M (DC~60Hz)
Time constant: ≥3.2s,Frequency Response: 0.05~150Hz
Noise level: <15 uVp-p,Threshold: ≤ 20uV,Sensitivity: 5,10,20mm/mV±5%
Calibration voltage: 1mV±5%,Input circuit: floating input circuit
Patient current leakage: <10uA,Protection: Protect from defibrillation and pace making



MK 16b

Digital Electrocardiograph
Synchronously acquisition of 12-lead ECG wavefors and Auto measurement printer report;
LCD modual display 3-ECG and menu;
AC EMG and DFT filters;
AC and DC power supply,built-in rechargeable battery;
Strictly follows IEC60601-1 Class I,type CF safety standard
Specifications:
Lead:Standard 12 leads,European leads
Input Circuit:Floating,Protection against defibrillator effect
Calibrating voltage:1mV ± 2%
Sensitivity:auto,5,10,20mm/mV
Recording System:Thermal-array
Speed:25,50mm/s
Rafety:Standard IEC class I,type CF
Power supply AC:220V(110V),50Hz/60Hz,30VA
DC:14.4V-2000mAh(Li-ION)
Dimensions:296x226x66mm,Net weight:2.4kg

Six Channel Electrocardiograph Series



MK 17

Features:
Digital isolation technology and signal processing ensured the signal reliability
Histogram and trend chart for R-R interval analysis
Detail analysis report and representative beats are beneficial to diagnose
Languages options:English,Russian and Chinese
USB and LAN port for real-time data transmit to PC
The large 5.7 inches LCD brightness and contrast are adjustable
Unique shuttle design,easier and faster to operate
Paper shortage alarming and economy mode save printing cost
Inputting name & age of patient and medication choosing by operator
Optional SD card supporting the maximum data capacity of 2GB,up to 10000 copies of patient data storage


Foldable handle


Optional SD card for massive data storage


USB and LAN port


Unique shuttle design

Specifications
Lead:Standard 12 leads,simultanous acquisition
Input circuit:Floating circuit input
Input impedance:>50MΩ
Patient leakage current:<10μA
Input circuit current: ⩽0.1μA
Calibration voltage:1mV±3%
Frequency responce:0.05-150Hz
Time constant: ⩾3.2s
CMRR:>60dB,>100dB(with AC interference filter)
Filter:AC,EMG,DFT
Sensitivity:2.5,5,10,20mm/mV
Noise level:<15μVp-p
Power requirements:
AC:100-240V,50/60Hz,50VA,
DC:14.8V rechargeable Li-ion battery
Safety level:IEC class I,type CF
Display:320x240LCD with backlight
Operation mode:Automatic or manual
Analysis function:ECG parameters auto-measure,auto-analysis
Printer:high resolution thermal array printer
Paper speed:5,10,25,50mm/s
Recording paper:
112mmx27m roll paper
110mmx140mmx20m fan-fold paper
Dimension:290x245x99mm
N.W:4.6kgs



MK 18

Three/Six Channel Intepretive ECG Machine
3/4/6 channel printout format
Simultaneous 12 lead acquisition
Automatic measurement and interpretation of standard ECG parameter Memory of 16 exams for recall and duplication
5 inch 320x240 LCD to display setting menu and 6 channel ECG waveform
Built in RS232 interface supporting data transmission to PC
Dual power operation, AC and Li-ion battery supporting 2 hour operation
AC, EMG, DFT filter
Paper size: 112mmx20m roll type





Lead	Standard 12 lead	Rhythm Lead	Standard 12 lead
Input Circuit	Isolated; Protection against pace making and defibrillation	Operation Mode	AUTO/MAN
		Frequency Response	0.05~150Hz (-3dB)
		Paper Speed	25, 50mm/s±3%
Input Impedance	⩾50MΩ	Recording Paper	Roll paper/Z fold 112mmx30m/112mmx75m
Input Circuit Current	⩽50nA	Sampling Rate	1.25ms
Sensitivity	5, 10, 20mm/mV	A/D Converter	12 bit
Filter	AC: 50Hz(-20dB); EMG: 35~45Hz(-3dB)	LCD	320x240 graph LCD
Skin Voltage Tolerance	±300mV	External Signal	10mm/mV±5%; Single ended⩾100KΩ
CMRR	⩾100dB	ECG Output	0.5V/mV±5%; Single ended⩽100Ω
Calibrating Voltage	1mV±3%	Safety Level	Class I, Type CF
Time Constant	⩾3.2s (0, +20%)	Power Requirements	AC: 220V, 50Hz/110V, 60Hz DC: Built in rechargeable battery Supporting 50 exams after complete charging
Noise Level	⩽15 μV_{pp}		
Baseline Control	Automatic position		
Printer	Thermal array printer	Package	640x400x530mm (4 sets); 240x310x370mm (1 set)
		Weight	4Kgs



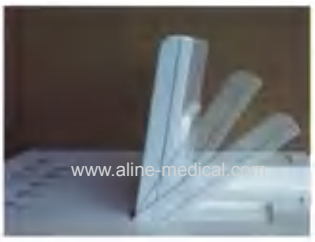
MK 19

Features:
Synchronously acquisition of 12-lead ECG waveforms and printer 6-leads ECG + measurement + analysis report;
320x240 LCD 12-leads ECG and operation menu display;
AC EMG and DFT filters;
AC and DC power supply,built-in rechargeable battery;
Strictly follows IEC60601-1 Class I,type CF safety standard
Specifications:
Lead:Standard 12 leads,European leads
Input Circuit:Floating,Protection against defibrillator effect
Calibrating voltage:1mV ± 2%
Sensitivity:auto,5,10,20mm/mV
Recording System:Thermal-array
Speed:25,50mm/s
Rafety:Standard IEC class I,type CF
Power supply AC:220V(110V),50Hz/60Hz,30VA
DC:14.4V-2000mAh(Li-ION)
Dimensions:310x235x66mm

Twelve Channel Electrocardiograph Series



MK 20



The foldabel LCD(0-80°)



USB and LAN port

Features:
Digital isolation technology and signal processing ensured the signal rellability
Histogram and trend chart for R-R interval analyisi
Detail an alysis report and representative beats are beneficial to diagnose
Languages options:English,Russian and Chinese
USB and LAN port for real-time data transmit to PC
The foldable monitor(0-80 degree)with large 5.7 inches LCD,brightness and contrast are adjustable
Unique shuttle design,easier and faster to operate
Paper shortage alaramng and economy mode save printing cost
More patient information available,such as:hight,eight,medication history,illness history,etc.
Optional SD card supporting the maximum data capacity of 2GB,up to 10000 copies of patient data storage

Specifications
Lead:Standard 12 leads,simultanous acquisition
Input circuit:Floating circuit input
Input impedance: ⩾ 50MΩ
Patient leakage current:<10μA
Input circuit current: ⩽ 0.1μA
Calibration voltage:1mV±3%
Frequency responce:0.05-150Hz
Time constant: ⩾ 3.2s
CMRR:>60dB,>100dB(with AC interference filter)
Filter:AC,EMG,DFT
Sensitivity:2.5,5,10,20mm/mV
Noise level:<15μVp-p
Power requirements:AC:100-240V,50/60Hz,50VA,
DC:14.8V rechargeable Li-ion battery
Safety level:IEC class I,type CF
Display:320x240 pixel LCD with backlight
Operation mode:Automatic or manual
Analysis function:ECG parameters auto-measure,auto-analysis
Printer:high resolution thermal array printer
Paper speed:5,10,25,50mm/s
Recording paper:fan-fold paper(A4 size):210mmx140mmx20m
Dimensior:360x325x86mm
N.W:6.6kgs



MK 21



Inner handhole



Standard accessories

Features:
Digital isolation technology and signal processing ensured the singal reliapility
Histogram and trend chart for R-R interval analysis
Detail analysis report and representative beats are beneficial to diagnose
Languages options:English,Russian and Chinese
The LCD brightness and contrastare adjustable
Paper shortage alarming and economy mode save printing cost
Twleve work modes satisfy the requirements of users
More patient information available:height,weight,medication history,illness history,etc.
Internal memory supporting the maximum data capacity of 2GB

Lead:Standard 12 leads,simultanous acquisition
Input circuit:Floating;protection against defibrillator effect
Input impedance: ⩾ 50MΩ
Patient leakage current:<10μA
Calibration voltage:1mV±3%
Frequency responce:0.05-150Hz
Time constant:>3.2s
Filter:AC:50Hz(-20dB),EMG:35-45Hz(-3dB),DFT: ⩽ 0.45Hz
CMRR:>100dB
Sensitivity:2.5,5,10,20mm/mV
Noise level: ⩽ 15μVp-p
Baseline control:auto-adjustable
Power requirements:AC:100-240V,50/60Hz,55VA,DC:14.8V rechargeable Li-ion battery
Safety level:IEC class I,type CF
Display:320x240 pixel LCD
Operation mode:Auto,manual and rhythm
Rhythm lead:selectable
Analysis function:ECG parameters auto-measure,auto-analysis
Printer:high resolution thermal array printer
Paper speed:5,10,25,50mm/s
Recording paper:roll:210mmx30m fan-fold paper:210mmx140mmx20m
Dimensior:400x325x84.5mm
Net weight:5kg



MK 22

Features:
Digital isolation technology and signal processing ensured the signal reliability
Histogram and trend chart for R-R interval analysis
Detail analysis report and representative beats are beneficial to diagnose
Real-time waveform display,freezing,result observation
USB and LAN port for real-time data transmit to PC
Huge 12.1 inches color LCD on a swivel arm
Unique shuttle design,easier and faster to operate
Premium designed silica button for comfortable oeration experience
More patient information available:height,weight,medication history,illness history,etc.

Optional SD card supporting data capacity massive storage
Waveforms display with grid same as print on the record paper
ECG data can be reviewed and managed on a windows PC with optional ECG viewer software
Specifications
Lead:Standard 12 leads,simultanous acquisition
Input circuit:Floating circuit input
Input impedance:>50MΩ
Patient leakage current:<10μA
Input circuit current: ⩽0.1μA
Calibration voltage:1mV±3%
Frequency responce:0.05-150Hz
Time constant: ⩾3.2s
CMRR:>60dB,>100dB(with AC interference filter)
Filter:AC,EMG,DFT
Sensitivity:2.5,5,10,20mm/mV
Noise level:<15μVp-p
Power requirements:
AC:100-240V,50/60Hz,50VA,DC:14.8V rechargeable Li-ion battery
Safety level:IEC class I,type CF
Display:800x600 pixel color LCD
Operation mode:Automatic or manual
Analysis function:ECG parameters auto-measure,auto-analysis
Printer:high resolution thermal array printer
Paper speed:5,10,25,50mm/s
Recording paper:fan-fold paper(A4 size):
210mmx140mmx20m
Dimension:360x325x380mm
N.W:8.6kgs



Patient cable



Limb and power electrode



Fan-fold thermal recording paper



MK 23a

Features:
Synchronously acquisition of 12-lead ECG wavefors and printer 12-leads ECG + measurement + analysis reort;
320x240 LCD 12-leads ECG and operation menu display;
AC EMG and DFT filters;
AC and DC power supply,built-in rechargeable battery;
Strictly follows IEC60601-1 Class I,type CF safety standard
Specifications:
Lead:Standard 12 leads,European leads
Input Circuit:Floating,Protection against defibrillator effect
Calibrating voltage:1mV ± 2%
Sensitivity:auto,5,10,20mm/mV
Recording System:Thermal-array
Speed:25,50mm/s
Rafety:Standard IEC class I,type CF
Power supply AC:220V(110V),50Hz/60Hz,45VA
DC:14.4V-2000mAh(Li-ION)
Dimensions:376x300x96mm



MK 23b

Features:
Synchronously acquisition of 12-lead ECG wavefors and printer 12-leads ECG + measurement + analysis reort;
TFT color LCD 12-leads ECG and operation menu display;
AC EMG and DFT filters;
AC and DC power supply,built-in rechargeable battery;
Strictly follows IEC60601-1 Class I,type CF safety standard
Specifications:
Lead:Standard 12 leads,European leads
Input Circuit:Floating,Protection against defibrillator effect
Calibrating voltage:1mV ± 2%
Sensitivity:auto,5,10,20mm/mV
Recording System:Thermal-array
Speed:25,50mm/s
Rafety:Standard IEC class I,type CF
Power supply AC:220V(110V),50Hz/60Hz,45VA
DC:14.4V-2000mAh(Li-ION)
Dimensions:376x300x96mm



MK 24

Twelve Channel Intepretive ECG Machine
6/7/12 channel printout format
Simultaneous 12 lead acquisition
Isolated input circuit with protection against defibrillation and pacemaking
Automatic measurement and interpretation of standard ECG parameter
Memory of 16 exams for recall and duplication
6 inch 320x240 LCD to display setting menu and 12 channel ECG waveform
Built in USB interface supporting data transmission to PC
Dual power operation, AC and Li-ion battery supporting 2 hour operation
AC, EMG, DFT filter
Paper size: 210mmx20m roll type/210mmx140mmx20m z-fold type



Lead	Standard 12 lead	Memory	16 exams in memory for recall and duplication
Input Circuit	Isolated; Protection against pace making and defibrillation	A/D Converter	12 bit
		Recording Paper	Roll paper/Z fold 210mmx30m/210mmx20m
Input Impedance	≥50MΩ	Operation Mode	AUTO/MAN
Input Circuit Current	≤50nA	Rhythm Lead	Standard 12 lead
Calibrating Voltage	1mV±3%	External Signal	10mm/mV±5%; Single ended≥100KΩ
Skin Voltage Tolerance	±300mV	ECG Output	0.5V/mV±5%; Single ended≤100Ω
Sensitivity	5, 10, 20, 40mm/mV	Safety Level	Class I; Type CF
Filter	AC: 50Hz(-20dB); EMG: 35~45Hz(-3dB)	Power Requirements	AC: 220V, 50Hz/110V, 60Hz DC: Built in rechargeable battery Supporting 50 exams after complete charging
Paper Speed	6.25, 12.5, 25, 50mm/s ±3%		
Time Constant	≥3.2s (0.+20%)		
Noise Level	≤15 μV_{p-p}		
Frequency Response	0.05~150Hz (-3dB)	Package	333mm×260mm×95mm
Sampling Rate	1.25ms		
Baseline Control	Automatic position	Weight	5.5Kgs
PC Connection	USB interface	Printer	Thermal array printer



MK 25

AECG-12A Recorder
Size:84mm×64mm×20mm
Weight:100g(with battery)
Lead:12
Storage:>256M Non-volatile flash memory
Playback equipment:USB
Lcd display:1lead
Time:24hour
Record and playback mode:Non digital compression
Power:1xAA(DC 1.5V)
A/D bit:12bit
Sample Rate:200Hz

Direct currents in patient electrode connections<0.1μA
Multichannel crosstalk<0.15mV
Input imjpedance>10MΩ
Standard sensitivity:10mm/mV±5%
Polarizing voltoge:±300mV
Common mode rejection>60dB
Frequency response:0.1Hz-60Hz
minimum feature size:50μV
Baseline stability:≤0.5mV
Gain stability:≤±5%
Time Constant: ≥3.2s

Electroencephalograph System



MK 26

Primary function and technical specification
Integrative function such as EEG detection and amlification,computer analysis and monitor,heat ray description,etc.EEG real time monitor,power spectrum analysis,dynamic relief map,compressed spectrum graph,potential analysis,parameter extraction,etc.
16 lead EEG signal collection,multiple lead combination.
Sensitivity:1,2,3,5,7,10,20,50 μ V 8 steps for choice.
Input impedance:20MΩ
CMRR:100dB
Frequency range:0.5-00Hz
Power spectrum segmentation: δ , θ , α 1, α 2, β 1, β 2
Power supply:220V ± 10%,50Hz ± 2%,600W
Security up to state GB9706.1 standard
A/D:16 bit
50Hz filter: ⩾ 50dB
Noise: ⩽ 3 μ V
SamPhong:2000Hz

ECG Electrode Series



MK 27 Chest Electrode
Limb Electrode



MK 28a



MK 28b



MK 28c



MK 28d



MK 28e

Tens Electrodes

Code	Shape	Dimensions(mm)	Use/Period	Material	Packing
MK28a	Round	Dia.50	Pain Relief, Fitness,Clinic, Beauty art/ 20-30 Times	White Cloth, Conductive Film, Wire,Hydro-gel, Liner,PET	4pcs/strip, 200pcs/box, 1600pcs/carton
MK28b	Butterfly	53x70			
MK28c	Rectangle	50x90			
MK28d	Square	50x50			
MK28e	Square	50x50			



ECG Electrode package



MK 29a



MK 29b



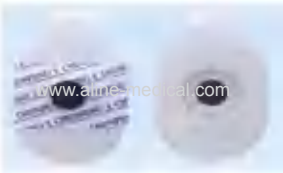
MK 29c



MK 29d

ESU Plates

Code	Type	Size	Conductive Area(cm^2)	Material	Packing
MK29a	Single	Adult	137.8	PE Foam, Aluminum-foil, Hydro-gel,Liner	1pcs/puch, 100pcs/carton
MK29b	Split	Adult	122.8		
MK29c	Single	Pediatric	77		
MK29d	Split	Pediatric	67		



MK 30a



MK 30b



MK 30c



MK 30d

Radiolucent ECG Electrodes

Code	Shape	Backing	Dimensions	Size	Use	pcs/Pouch	pcs/Carton
MK30a	Oval	PE Foam	35x56	Adult	MRI,X-ray	50	1000
MK30b	Round	PE Foam	Φ35	Children	MRI,X-ray	50	1000
MK30c	Round	Soft Cloth	Φ55	Adult	MRI,X-ray	50	1000
MK30d	Round	Soft Cloth	Φ43	Children	MRI,X-ray	50	1000



MK 31a



MK 31b



MK 32a



MK 32b

Offset-Snap ECG Electrodes

Code	Shape	Backing	Dimensions	Size	Use	pcs/Pouch	pcs/Carton
MK31a	Oval	PE Foam	36x53	Adult	Stress,Holter	50	1000
MK31b	Round	White Cloth	Φ55	Adult	Stress,Holter	50	1000

Resting Tab ECG Electrodes

Code	Shape	Backing	Dimensions	Size	Use	pcs/Pouch	pcs/Carton
MK32a	Rectangle	PET Film	23x34	General	Diagnostic	100	5000
MK32b	Rectangle	PET Film	26x34	General	Diagnostic	100	5000



MK 33a



MK 33b



MK 33c



MK 33d



MK 33e



MK 33f



MK 33g



MK 33h



MK 33i



MK 33j



MK 33k



MK 33L



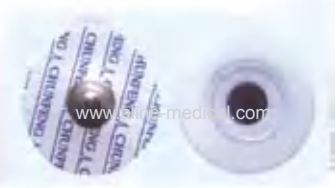
MK 33m



MK 33n



MK 33o



MK 33p

Monitoring ECG Electrodes

Code	Shape	Backing	Diensions	Size	Use	pcs/Pouch	pcs/Carton
MK33a	Round	White Cloth	Φ56/60	Adult	Monitoring or Diagnostic	50	1000
MK33b	Round	Soft Cloth	Φ56/60	Adult	Monitoring or Diagnostic	50	1000
MK33c	Round	Paper	Φ50	Adult	Monitoring or Diagnostic	50	1000
MK33d	Round	PE Foam	Φ56/60	Adult	Monitoring,CCU,ICU	50	1000
MK33e	Round	Clear Tape	Φ50	Adult	Monitoring,CCU,ICU	50	1000
MK33f	Round	PE Foam	Φ50	Adult	Monitoring,CCU,ICU	50	1000
MK33g	Oval	Soft Cloth	35x50	Adult	Monitoring or Diagnostic	50	1000
MK33h	Oval	PE Foam	35x50	Adult	Monitoring,CCU,ICU	50	1000
MK33i	Square	Soft Cloth	48x48	Adult	Monitoring or Diagnostic	50	1000
MK33j	Rectangle	PE Foam	45x62	Adult	Monitoring,CCU,ICU	50	1000
MK33k	Round	White Cloth	Φ43/35	Children/Infat	Monitoring or Diagnostic	50	1000
MK33L	Round	PE Foam	Φ43/35	Children/Infat	Monitoring,CCU,ICU	50	1000
MK33m	Teardrop	PE Foam	43x49	Children	Monitoring,CCU,ICU	50	1000
MK33n	Teardrop	PE Foam	36x42	Infant	Monitoring,CCU,ICU	100	2000
MK33o	Teardrop	Soft Cloth	30x35	Infant	Monitoring or Diagnostic	100	2000
MK33p	Teardrop	PE Foam	30x35	Infant	Monitoring,CCU,ICU	100	2000



MK 34a



MK 34b

Offset-Snap ECG Electrodes

Code	Shape	Backing	Dimensions	Size	Use	pcs/Pouch	pcs/Carton
MK34a	Square	Cotton Cloth	22x22	Neonatal	ICU,CCU	25	500
MK34b	Rectangle	Cotton Cloth	22x30	Neonatal	ICU,C	25	500



MK 35

ECG Conductive Gel
Main materials:Water-soluble high polymer.
Purpose:ECG Conductive Gel is used in conjunction with Rubber Electrodes to provide a medium for the current to flow effectively from the electrode to the skin.
Characteristics:ECG Conductive Gel is chloride free electrolyte which is non-allergenic,odorless,water-soluble and non-staining.It spreads easily and evenly and will not dry out under the electrodes(as water can).Conductivity Gel can be either be applied to the electrode or directly on the skin,and can be easily and completely removed using a tissue.
An Adhesive Conductivity Gel is also available(Tac Gel),which eliminates the need for taping electrodes down,and assures uniform prolonged contact between the electrodes and the skin.
Tac Gel can be easily and completely removed from the skin using warm soapy water.
Term of Validity:Three year.
Packing:20ml/tube,65ml/tube,250ml/bottle.

ECG Record Paper Series

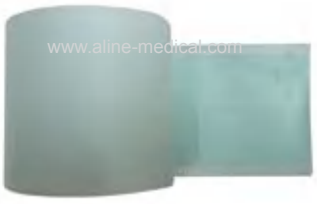


Vol:250ML



Vol:5L

MK 36 Ultrasonic Coupling Gel





MK 37 ECG Record Paper



MK 38

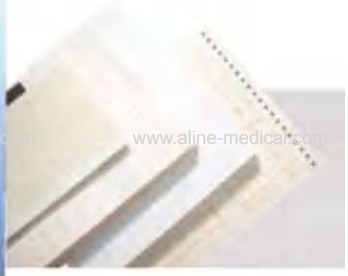
product no.	specification	type	apply for machine	packing
RXJ001	50mmx20m	roll	japan guangdian6511/6851, dongjiang11,jingkeweiCT4000 series	100/200rolls
RXJ004	50mmx30m	roll	fukuda FX-2111,guangdian6951C	100/200rolls
product no.	specification	type	apply for machine	packing
RXJ008	63mmx30m	roll	guangdian8110k/p,guangdian9620p, fukuda FX-2115,FX-7101/7102	100rolls
RXJ012	60mmx30m	roll	ITALY three channels ECG	100rolls
RXJ016	112mmx27m	roll	japan lingqian 302	100rolls
RXJ020	144mmx30m	roll	fukuda FX-3010/3101	50rolls
RXJ021	145mmx30m	roll	guangdian6353,dongjiangECG-32A	50rolls
RXJ057	90mmx20m	roll	GE.MAC-500	100rolls
RXB003	90mmx90mm-200p	book	GE.MAC-500	100books
RXB068	90mmx90mm-200p	book	xilerAT-1	100books



MK 39

product no.	specification	type	apply for machine	packing
RDB037	110mmx140m-20m	book	guangdian9010/9020, shanghai guangdian92C	100books
product no.	specification	type	apply for machine	packing
RXJ025	183mmx30m	roll	lingqian 1203	50rolls
RXJ026	210mmx30m	roll	fukuda FX-4010/7411, dongjiang1212, biocare 1200	50rolls
RXB009	144mmx125mm-200p	book	japan NEC-3321	100books
RXB010	144mmx125mm-200p	book	japan NEC-3330/3370	100books
RXB020 RXB041(THICK)	210mmx295mm-200p	book	GE.MAC-1200	20/10books
RXB022 RXB028(THICK)	210mmx280mm-200p	book	PHILIP(HP)HP1772A /1770A/1700A	10/20books
RXB030 RXB029(THICK)	215mmx280mm-200p	book	USA GE.MAC-5000 USA 6 IN 1 SPORTS BOARD CASE8000	20/10books
RXB108	210mmx280mm-200p	book	xilerAT-102	20books
RXB027	216mmx140mm-200p	book	bodike800i paper size:7981	20books
RXB043	216mmx280mm-200p	book	bodike paper size:7984	10books
RXB023	210mmx300mm-200p	book	bodike paper size:7986	10books
RDB018	210mmx295mm-200p	book	guangdian9320k/9522	20books
RDB036	210mmx140mm-20m	book	guangdian9130k/9110	100books



MK 40 CTG RECORD PAPER



MK 41 LABORTORY RECORD PAPER

product no.	specification	type	apply for machine	packing
PNB005	344mmx300mm-400p	book	guangdian EEG4421K/4418K	10books
PNB004	244mmx300mm-400p	book	guangdian EEG7314K/7414K	10books
PNB001	155mmx300mm-400p	book	guangdian EEG7209K/7200K	20books
product no.	specification	type	apply for machine	packing
RTB008	150mmx100mm-150p	book	philip(HP)M1351A/1353A/M1350B	100books
RTB019	152mmx90mm-150p	book	anke3000,kelo126/170series	100books
RTB022	112mmx100mm-150p	book	ankeASF-020BS,keruikangPC-800	100books
RTB025	152mmx100mm-150p	book	HP1351(with hole)	100books
RTB030	112mmx90mm-150p	book	libang MFM2-series.jinkewei UT-3000	100books
RTB024	112mmx90mm-150p	book	san ruiSRF618	100books
RTB012	152mmx150mm-150p	book	japan EAST-MT325	100books
RTB027	151mmx100mm-150p	book	HPM8040A(200coordinates)	100books
RTB039	112mmx100mm-150p	book	jingbai medicalJPD-300A	100books
RTJ001	140mmx18m	book	USA kelo Am155	100books
RTB028	112mmx100mm-150p	book	weibang WDF890,WDF-SERIES	100books
RTB015	143mmx150mm-200p	book	uk oxford TEQM	100books
product no.	specification	type	apply for machine	packing
RDB002	50mmx120mm-200p	book	outer space paper	100books
RDB003	60mmx120mm-500p	book	URINE 10 items	100books
RDJ003	50mmx20m	roll	mindray ,GE.PASH2000	100rolls
RDJ006	57mmx30m	roll	japan jingdu MA-4210/4260,URINE ANALYZER	100rolls
RDJ008	60mmx30m	roll	belltesen impedance,USA tailite TEK-100 URINE 10 items	100rolls
RDJ010	80mmx30m	roll	mindray BC-2000	100rolls
RDJ020	110mmx30m	roll	fukuda ST-250/300,Danmark audiometer	100rolls

size	apply for machine
K61B	P/90E/67E/66E
K65HM	high density,P/90E/67E/66E
K70S	width of paper:216mm,P78E




MK 42 MEDICAL PRINT PAPER

size	apply for machine	unit	packing
UPP-110S	normal type,up-811/850/860/890	110mm	20m/roll
UPP-110HA	more high density,up-811/850/860/890	110mm	20m/roll
UPP-110HD	high density,up-811/850/860/890	110mm	20m/roll
UPP-210SE	normal type,up-960/980	210mm	25m/roll
UPP-210HD	high density,up-960/980	210mm	25m/roll
UPP-210BL	blue film,up-980	210mm	12.5m/roll
UPP-216SE	normal type,up-910/930	216mm	25m/roll
UPP-216HD	high density,up-910/930	216mm	25m/roll

size	apply for machine	unit	packing
UPC-1010	color,UP-1200/1800/1850	A6	100pcs/box
UPC-2010	color,UP-2100/2300/ 2800/2850/2900/D2500	A6(S)	200pcs/box
UPC-5010	color,UP-5000/5200	A5	100pcs/box
UPC-5030	OHP,UP-5000/5200	A5	100pcs/box
UPC-5510	UP-5600	A5	200pcs/box
UPC-5530	OHP,UP-5600	A5	200pcs/box
UPC-7010	UP-7300	A4	100pcs/box
VPM-90STA	CVPG700	A6	90pcs/box
UPC-3010	UP-3000	A6	80pcs/box

size	apply for machine	packing
CK-700	CP700E,VP710E,CP700DE	200pcs/set
CK-50S	CP54/50E	50pcs/box
CK-100S	CP100E	100pcs/box
CK-D10S	CPD1E	50pcs/box
CK-2000L	CP2000E,CP2500E	100pcs/box
CK-900S	SP910E	

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