Heal Force

Monitor Series

iMD 8

Bedside Monitor

Heal Force Leads You to Healthier Life

Technical Specifications

ECG

Input	3-Lead or 5-Lead selectable
	3 Lead cable: RA;LA;LL or R;L;F
	5 Lead cable: RA;LA;RL;LL;V or R;L;N;F;C
Lead selection	3-lead: I,II,III
	5 Lead: I，II，III，AVR，AVL，AVF, V
ECG Waveform	2 channel
Gain selection	×0.25,×0.5,×1,×2,x4,Auto
Sweep speed	12.5mm/s, 25mm/s, 50mm/s
Heart Rate	for Neonate 15-350BPM
Heart Rate	for Adult/Pediatric 15-300BPM
Accuracy	1bpm or 1%, whichever is greater
Resolution	1bpm
Filter Diagnostic mode	0.05-100Hz
Monitor mode	0.5-40Hz
Surgical mode	1.0-25Hz
Protection	Withstand 4000VAC/50Hz Voltage in isolation
	Against electrosurgical interference and defibrillation
Alarm range	Neonate: 15-350BPM
	Adult/Pediatric: 15-300BPM
ST segment detection	Measurement range: -2.0mv to 2.0mv
Alarm range	-2.0mv to 2.0mv
Arrythmia analysis	Yes
Alarm	audible and visual alarm, alarm event recallable
Pace detection	Yes
Drug dose calculation	Yes
Standby mode	Yes

Respiration

Method	Thoracic impedance
Measurement range	Neonate/Pediatric：0~150RPM
	Adult：0-120 RPM
Apnea alarm	No alarm,10s,15s,20s, 25s,30s,35s, 40s selectable
Alarm	Audible and visual alarm, alarm events recallable

NIBP

Method	Oscillometric
Measurement modes	Manual/Automatic/Continuous
Displayed parameters	Systolic, diastolic and MAP (mean arterial pressure)
Auto measure time	Adjustable
Measurement unit	mmHg/kPa selectable
Measurement type	Systolic, Diastolic, Mean
Range of Systolic pressure	Adult： 40-270mmHg
	Pediatric： 40-200mmHg
	Neonate：40-135mmHg
Range of Diastolic pressure	Adult： 10-210mmHg
	Pediatric： 10-150mmHg
	Neonate：10-100mmHg
Range of Mean pressure	Adult： 20-230mmHg
	Pediatric： 20-165mmH
	Neonate： 20-110mmHg
Accuracy	±5mmHg
Resolution	1mmHg
Alarm	Systolic, Diastolic, Mean
Over-pressure protection	Double safety protection

SpO₂

Measurement range	0%~100%
Resolution	1%
Accuracy	±2%(70%-100%); unspecified(0-69%)
Alarm range	0~100%
Pulse Rate Range	20~254bpm
Resolution	1bpm
Accuracy	±3bpm
Alarm range	0~254bpm

Temperature

Measurement range	0~50ºC
Resolution	0.1ºC
Accuracy	±0.1ºC
Channel	T1、T2、TD

Classification

Safety Standard	IEC60601-approved

General Specifications

Display	8.4" Color TFT LCD with LED background light
	5-Wire touch panel is configurable
	Multi displays selectable, including Standard display, Trend coexist display, Large-font display, OxyCRG dynamic view display, Night mode
Dimension	227(W)×207(H)×121(D)mm
Weight	2.8kg
Power Requirement	AC100-240V, 50/60Hz,140VA,1.4A-0.59A
Temperature	0ºC~40ºC
Humidity	15%~80% (non-condensing)
Patient range	Neonate, pediatric and adult patient
waveform	2 channel (standard)
	Sweep speed:12.5mm/s,25mm/s,50mm/s
Indicator	Alarm indicator light, Power indicator light
	Battery indicator light, QRS beep and alarm sound
Li-ion Battery	Rechargeable, More than 5 hours for continuous working
Alarm and Indicator	User-adjustable High, Medium, and Low limits
	3-level audible and visual alarm
	Alarm indicator light
	Power indicator light
	Battery indicator light
	QRS beep and alarm sound
	Pulse rate modulation sound
Networking	Connected to central station system
Recorder	Thermal printer, Real time recording

Standard configuration: ECG/RESP,SPO₂,NIBP,PR/HR

Optional Function: Built-in recorder