

patient MONITOR

PM-1000E

Color display 8.4"
Pantalla a color de 8.4"

Parameters: ECG/RESP, SpO2, NIBP, TEMP
Parámetros: ECG/RESP, SpO2, PNI, TEMP

Seven waveforms
Siete formas de onda

Arrhythmia Analysis, S-T Segment and
Pacemaker Detection
*Análisis de arritmia, Segmento de S-T y
Detección de marcapaso*

Adult, Pediatric and Neonatal
Adulto, Pediátrico y neonatal

Networkable with central monitoring system
Comunicación en red con central de monitoreo

Simultaneous Audible and Visual Alarms
Alarma visual y auditiva simultáneas

Recorder optional
Impresora opcional



Patient Monitor

TECHNICAL SPECIFICATIONS

MONITOR DIMENSIONS & WEIGHT

Dimensions: 202mm x 262mm x 110mm / 8" x 10.3" x 4.3"
Weight: 3.4kg / 7.5 Lbs

WORK ENVIRONMENT

Temperature Range: Work Condition: 0~ 45°C / 0~113 F
Storage Condition: -20~ +55 C / -14~ +130 F
Humidity Range: Work at 45°C: 85%
Storage at 40°C: 93%
Electrical Specification: AC 110/220V, 50/60Hz, Max input power 70VA
DC 16V, Max input current 4A
Scope: Adult, Pediatric & Neonatal

MONITOR FUNCTIONAL SPECIFICATION

Display: Color 8.4" TFT screen, resolution 640 x 480
Language options: English/Spanish
Trace: 7-waveform display
Sweep speed: 12.5mm/s, 25mm/s, 50mm/s
Indicators: Alarm indicating light
External DC supply indicating light
QRS voice & voice alarming
Interfaces: Measurement parameter cable interface
Power supply socket
external out put
tolerance <20%, out put impedance 50ohm,
signal delay <30ms
Battery: Rechargeable Li-ion up to 2 hours
Trend Time: 1-72 hours

ECG SPECIFICATION

input: 5-lead cable: RA; LA; RL; LL; V
Lead method: I; II; III; avR; avL; avF; V; CAL (Calibration)
ECG waveform: 7 channels
Gain selection: XO.25; XO.5; X1; X2; X4; Automatic
HR: Adult measurement & alarm range: 15-350bpm
Pediatric/infant measurement & alarming range: 15-350bpm
Accuracy: ± 1%
Resolution: 1bpm
Sensitivity: >200uV (peak-to-peak value)
Differential input impedance: over 5M ohm
CMR: Non-filtering mode >60dB
Filtering Mode >80dB
Pace Detection: Yes
ST- Detection: Yes
Arrhythmia Detection: Yes
Alarm: Yes

Frequency response (bandwidth):

Filtering mode: 1-25Hz
Non-filtering mode: 0.05-150Hz

Alarm: Voice alarm dual alarms, with review function
Pacing: Pacemaker works only after capturing pacing

RESP SPECIFICATION

Method: RA-LL impedance method
RESP measurement & alarming range:
Adult: 1-150bpm
Pediatric/neonatal: 1-150bpm
Resolution: 1-bpm
Accuracy: ± 2bpm
Differential input Impedance: Over 2.5M ohm, RA-LL lead
Apnea alarm: 10-40 seconds

NIBP SPECIFICATION

Measurement method: Automatic vibration
Work mode: Manual / Automatic / Continuous;
Unit: mmHg
Measurement range:
Adult: Systolic pressure 10-300mmHg
Diastolic pressure 10-300mmHg
Average pressure 10-300mmHg
Overpressure protection: dual protection
(1) 300 - 330mmHg (delay 15s)
(2) over 330mmHg (immediate)
Pediatric: Systolic pressure 10-240mmHg
Diastolic pressure 10-240mmHg
Average pressure 10-240mmHg
Overpressure protection: dual protection
(1) 240 - 264mmHg (delay 15s)
(2) over 264mmHg (immediate)
Neonatal: Systolic pressure 10-150mmHg
Diastolic pressure 10-150mmHg
Average pressure 10-150mmHg
Overpressure protection: dual protection
(1) 150 - 165mmHg (delay 15s)
(2) over 165mmHg (immediate)
Resolution: 1mmHg
Accuracy: Tolerance < ±5mmHg, less than 8 mmHg
PR range: 40-240bpm
Alarm: Systolic/diastolic/average pressure: 0-300mmHg

SpO₂ SPECIFICATION

Range: 0~100%
Resolution: 1%
Accuracy: ± 2%(70-100%); ± 3%(60-70%)
PR and alarm range: 0-250bpm
Resolution: 1bpm
Precision: ± 1%

TEMP SPECIFICATION

Measurement & alarm range: 0 - 45°C
Resolution: 0.1°C
Accuracy: ± 0.1°C (Circuit precision)
± 0.2°C (including TEMP sensor)
No. of channels: 1 channel, displaying 1 Temp valve