

PM- 5000

MULTIPARAMETER PATIENT MONITOR

Technical Specifications

Safety

IEC 60601-1 approved, CE marking according to MDD93/42/EEC

Dimension and Weight

Dimension: 305mm (W) x 259mm (H) x 260mm (D)

Weight: 5.2 kg

Operation Environment

Power: AC100~250V, 50/60 Hz

Temperature: 0~40 °C

Humidity: 30~85%

Application Scope

Adult, pediatric and neonatal

Performance Specifications

Display: 9" monochrome CRT

Resolution 640x480

Trace: 4 waveforms

Sweep speed: 6.25mm/s, 12.5mm/s, 25mm/s, 50mm/s

Indicator: Alarm indicator

Power indicator

QRS beep and alarm sound

Interface: In-System Programming Port

Trend time: 1~72 hours

Alarm: 3-level audible and visual alarm

Recorder: Built-in, thermal array, 2 channels

Record width: 48 mm (record paper 50 mm)

Record speed: 25 mm/s, 50 mm/s

ECG

Input: 3-lead: R; L; F or RA; LA; LL

Lead selection: I; II; III

ECG waveform: 1 channel (the 2nd waveform cascade)

Gain selection: x0.25; x0.5; x1; x2; auto

Sweep speed: 12.5mm/s, 25mm/s, 50mm/s

Heart Rate Range: Adult: 15~300bpm

Pediatric/Neonatal: 15~350bpm

Accuracy: ±1bpm or ±1%, whichever is greater

Resolution: 1bpm

Protection: Withstand 4000VAC/50Hz voltage in isolation

Against electrosurgical interference and defibrillation

CMRR: Diagnostic mode: >90dB

Monitoring mode: >105dB

Operating mode: >105dB

Calibration signal: 1mV±5%

Operation modes: Diagnostic, Monitor, Surgery

Bandwidth: 0.05~100Hz

Pace Detection: YES

Alarm range: Adult: 15~300bpm

Pediatric/Neonatal: 15~350bpm

S-T detection:

YES

Measurement range: -2.0mV~2.0mV

Alarm range: -2.0mV~2.0mV

Arrhythmia analysis:

YES

Pacemaking analysis:

YES

Alarm:

YES, audible and visual alarm, alarm events recallable

Respiration

Method: RA-LL impedance

Measurement range: Adult: 6~120rpm

Pediatric/Neonatal: 6~150rpm

Resolution: 1rpm

Accuracy: ±2rpm

Alarm range: Adult: 6~120rpm

Pediatric/Neonatal: 6~150rpm

Apnea alarm:

YES

NIBP

Method: Oscillometric

Operation modes: Manual/Automatic/STAT

Measurement unit: mmHg/Kpa selectable

Measurement types: Systolic, Diastolic, Mean

Measurement range: Adult: 10~270mmHg

Pediatric: 10~200mmHg

Neonatal: 10~135mmHg

Over-pressure protection: YES

Resolution: 1mmHg

Accuracy: Mean error and standard deviation per ANSI/AAMI SP-10

Alarm: Systolic, Diastolic, Mean

Temperature (Surface and Intracavity)

Measurement range: 0~50 °C

Resolution: 0.1 °C

Accuracy: ±0.2 °C (including probe)

Channel: 1 channel

Alarm range: 0~50 °C

SpO₂

Measurement range: 0~100%

Resolution: 1%

Accuracy: ±2digit (70~100%); 0~69% unspecified

Alarm range: 0~100%

Pulse Rate:

Range: 25~250bpm

Resolution: 1bpm

Accuracy: ±2bpm or ±2%, whichever is greater

Alarm range: 25-250bpm

Standard configuration:
ECG/RESP, NIBP, SpO₂, TEMP

Optional configuration:
Thermal Recorder

NOTE: specifications subject to change without prior notice

