



The **Mindray PM9000 Express** is a patient monitor that can fit any need. The PM9000 Express provides ECG, Respiration Rate, NIBP, SpO2, dual temperature, IBP, EtCo2, and Multiple gas analysis for all patients, from Neonatal to adults. With quick action buttons on the front of the patient monitor, it is easy to adjust to the parameters. The Mindray PM9000 is a durable, lightweight monitor that can go from bedside to transport monitor in minutes. The Mindray patient monitor can display up to 8 waveforms at once and can hold up to 96 hours of trending data.

Features

- 12 inch Display that can show up to 8 waveforms at once
- 96 hours of trending data
- NIBP listing can include up to 800 measurements
- Built-in, 3 trace recorder for printing real time and historical data
- Lithium-ion battery with 5 hours continuous work



Specifications

Dimensions

Height: 10.6" (27 cm)
Width: 12.5" (31.8 cm)
Depth: 5.4" (13.7 cm)
Weight: 16.5 lbs (≤ 7.5 kg)

Display

Type: Color TFT LCD
Size: 12.1 inches (*diagonal*)
Resolution: 800x600 pixels

Recorder

Type: Thermal dot array
Horizontal resolution: 160 dots/cm (*at 25 mm/s recording rate*)
Vertical resolution: 80 dots/cm
Width of the recorder paper: 50 mm
Length of the recorder paper: 30 m
Recording rate: 25 mm/s, 50 mm/s
Recorded waveforms: 2

Data Storage

Trend data: Long trend: 96 hours, resolution 1min, 5 min or 10 min.; Short trend: 1 hour, resolution 1 s or 5 s.
Alarm events: 70 alarm events and associated waveforms (*with user selectable waveform length 8s, 16 or 32*).
ARR events: 80 ARR events and associated waveforms with 8s wavelength.
NIBP measurements: 800 NIBP groups, including systolic pressures, mean pressures, diastolic pressures and measurement time.

ECG

Lead Type: 3, 5, or 12-Lead
Measurement range: Neonate: 15 to 350 BPM; Pediatric: 15 to 350 BPM; Adult: 15 to 300 BPM
Sensitivity selection: 1.25mm/mV ($\times 0.125$), 2.5mm/mV ($\times 0.25$), 5mm/mV ($\times 0.5$), 10mm/mV ($\times 1$), 20mm/mV ($\times 2$) and auto
Sweep speed: 12.5mm/s, 25mm/s, 50mm/s
Heart Rate Resolution: 1 BPM
Heart Rate Accuracy: ± 1 BPM or $\pm 1\%$, whichever is greater.
Sensitivity: 200 μ V (lead II)
Arrhythmia Analysis: ASYSTOLE, VFIB/VTAC, PVC, COUPLET, VT>2, BIGEMINY, TRIGEMINY, R ON T, MISSED BEATS, TACHY, BRADY, PNC and PNP



Specifications Continued

RESP

Measurement Technique: Thoracic impedance

Lead: Optional: lead I and lead II; default lead II

RR Measurement range: Adult: 0 to 120 BrPM; Pediatric/neonate: 0 to 150 BrPM

RR Resolution: 1 BrPM

RR Accuracy: 7 to 150 BrPM: ± 2 BrPM or $\pm 2\%$, whichever is greater.

SpO2

Compatible Modules: Mindray/Masimo/Nellcor

IBP

Measurement Technique: Auto oscillation

Displayed Parameters: Systolic pressure, diastolic pressure and mean pressure

Mode of operation: Manual, auto and continuous

Measurement interval in auto mode: 1/2/3/4/5/10/15/30/60/90/120/180/240/480 minutes

Measurement time in continuous mode: 5 minutes

TEMP

Number of channels: 2

Displayed parameters: T1, T2 and TD

Measurement range: 0 to 50°C (32 to 122°F)

Resolution: 0.1°C

Precision: 0.1°C (excluding the sensor): $\pm 0.2^\circ\text{C}$ (including the YSI 400 series sensor)

Update period: 1s

CO

Measurement Technique: Thermal dilution

Calculated Parameter: CO, hemodynamics

Measurement Range: CO: 0.1 to 20l/min; TB: 23 to 43°C; TI: 0 to 27°C

Resolution: CO: 0.1 l/min; TB, TI: 0.1°C

CO2

Measurement technique: Infrared absorption technique

Measurement mode: Sidestream, microstream or mainstream (*optional*)

Displayed parameter: EtCO₂, FiCO₂, Respiration Rate

Compatible Modules: Mindray/Oridion/Welch Allyn

CO₂ measurement range: 0 to 99mmHg

AG

Measurement technique: Infrared absorption

Measurement mode: Side stream

Gas Type: CO₂, N₂O, O₂ (*optional*), Des, Iso, Enf, Sev, Hal

