



The **Mindray DPM 3** is an adult, pediatric, and neonatal vital signs monitor that's used to monitor SpO₂, PR, NIBP, and TEMP. The DPM 3 has a rechargeable lead-acid or lithium battery that can last up to 620 minutes. It has a built-in thermal dot array recorder to print Real-time PLETH waveforms and trend data of the current patient. This Mindray patient monitor has 7-segment digital displays to display systolic pressure, diastolic pressure, mean pressure / cuff pressure, SpO₂, PR, and TEMP.

Features

- Built-in recorder for printing real-time patient and trend data.
- LCD displays menus, trend data, and Pleth waveform.
- Monitors SpO₂, Pulse Rate, NIBP, and TEMP.
- Weighs less than 8 lbs.



Specifications

Dimensions

Height: 9.44 in (24 cm)
Width: 6.97 in (17.7 cm)
Depth: 6.69 in (17 cm)
Weight: 7.72 lbs. (3.5 kg)

Displays

LCD
Type: Monochrome FSTN
Size: 3.2 x 1.6 in (8.03 x 4.1 cm)
Resolution: 320 x 160 pixels
7-Segment LED Digit Displays
Groups: 6

Recorder

Type: Thermal dot array
Horizontal Resolution: 160dots/cm 25 mm/s (paper speed: 25mm/s)
Vertical Resolution: 80dots/cm
Paper Width: 50mm
Paper Length: 20m
Paper Speed: 25 mm/s
Number of Waveform Channels: 1

Connectors

Power Supply: 1 AC power connector
Nurse Call: 1
Network: 1 standard RJ45 network connector, 100 BASE-TX
Serial Port: 1 standard RS-232 serial port

Mindray SpO2

Measurement Range: 0 to 100%
Resolution: 1%
Accuracy: 70% to 100%: (adult/pediatric, in non-motion conditions); 70% to 100%: $\pm 3\%$ (neonate, in non-motion conditions) *; 0% to 69%: Undefined

Mindray PR (Pulse Rate)

Measurement Range: 20 to 254 bpm
Resolution: 1 bpm
Accuracy: ± 3 bpm (in non-motion conditions)
Update Period: 1s
Averaging Time: 7s



Specifications

Masimo SpO2

Measurement Range: 0 to 100%

Resolution: 1%

Accuracy: 70% to 100%: $\pm 2\%$ (adult/pediatric, in non-motion conditions); 70 %to 100%: $\pm 3\%$ (neonate, in non-motion conditions); 70 %to 100%: $\pm 3\%$ (in motion conditions); 0 %to 69%: Undefined

Masimo PR (Pulse Rate)

Measurement Range: 25 to 240 bpm

Resolution: 1 bpm

Accuracy: ± 3 bpm (in non-motion conditions); ± 5 bpm (in motion conditions)

Update Period: 1s

Nellcor SpO2

Measurement Range and Accuracy

MAX-A, MAX-AL, MAX-N, MAX-P, MAX-I, MAX-FAST: Range: 70% to 100%: Accuracy: $\pm 2\%$; Range: 0% to 69%: Accuracy: Undefined

OxiCliq A, OxiCliq N, OxiCliq P, OxiCliq I: Range: 70% to 100%: Accuracy: $\pm 2.5\%$; Range: 0% to 69%: Accuracy: Undefined

D-YS, DS-100A, OXI-A/N, OXI-P/I: Range: 70% to 100%: Accuracy: $\pm 3\%$; Range: 0% to 69%: Accuracy: Undefined

MAX-R, D-YSE, D-YSPD: Range: 70% to 100%: Accuracy: $\pm 3.5\%$; Range: 0% to 69%: Accuracy: Undefined

Nellcor PR (Pulse Rate)

Measurement Range

20 to 250 bpm with ± 3 bpm accuracy

251 to 300 bpm with undefined accuracy

Update Period: 1s

NIBP

Method: Oscillometry

Displayed Parameters: Systolic pressure, diastolic pressure and mean pressure, pulse rate

Mode of Operation: Manual, auto and STAT

Resolution: 1mmHg

Over-pressure Protection: Adult: 297 ± 3 mmHg; Pediatric: 240 ± 3 mmHg; Neonate: 147 ± 3 mmHg

Pulse Rate: Measurement Range: 40 to 240 bpm; Resolution 1bpm; Accuracy ± 3 bpm

Temperature

Measurement Range: In MONITOR mode: 25 to 44 °C (77 to 111.2 °F); In PREDICT mode: 35 to 43 °C (95 to 109.4 °F)

Resolution: In MONITOR mode: 0.1 °C

Accuracy: In MONITOR mode: 25 to 32 °C (77 to 89.6 °F): ± 0.2 °C (± 0.3 °F) including 32 °C (89.6 °F); In MONITOR mode: 32 to 44 °C (89.6 to 111.2 °F): ± 0.1 °C (± 0.2 °F)excluding 32 °C (89.6 °F)

Measurement Time: Typically 10s to 12s