



The **Mindray Passport 17m** is a patient monitor that can be used on adult, pediatric, and neonatal patients. This Passport monitor is intended for monitoring and displaying ECG (3, 5, and 12-lead), Arrhythmia Detection, ST-segment Analysis, QT Analysis, Heart Rate, Respiration, Temperature, SpO₂, Pulse Rate, NIBP, IBP, PAWP, Cardiac Output, Continuous Cardiac Output, SvO₂, CO₂, O₂, Anesthetic Gas, ICG, BIS, RM, and interpretation of resting 12-lead ECG. Under the maximum configuration, this Mindray monitor has one 2-slot module rack, one 3-slot module rack, and one satellite module rack. Different modules can be equipped to fit you or our facility's needs. This multiparameter monitor also has a 17-inch high-resolution TFT LCD display with a resolution of 1280x1024 pixels.

Features

- Supports 12 different modules that include SpO₂, MPM, IBP, C.O., CCO/ScO₂, CO₂, AG, BIS, RM, ScvO₂, T1, and BeneLink.
- Supports the Mindray T1 as a multi-measurement module. When disconnected the T1 can be used as a stand-alone monitor.
- 4 different operating modes include Monitoring Mode, Night Mode, Privacy mode, and Standby Mode.
- 5 default configurations include General, OR, ICU, NICU, and CCU.



Specifications

Dimensions

Height: 15.7 in (40 cm)

Width: 14.5 in (37 cm)

Depth: 7.6 in (19.3 cm)

Weight: 26.5 lbs (12 kg) (Without modules, batteries, accessories, or recorder)

Display

Type: Color TFT LCD

Screen Size (Diagonal): 17"

Resolution: 1280x1024

Recorder

Method: Thermal dot array

Horizontal Resolution: 16 dots/mm (25 mm/s paper speed)

Vertical Resolution: 8 dots/mm

Paper Width: 50 mm

Paper Length: 20 m

Paper Speed: 25 mm/s, 50 mm/s

Number of Waveform Channels: Maximum 3

Battery

Number of Batteries: 2

Battery Type: Rechargeable Lithium-Ion

Voltage: 11.1 VDC

Capacity: 4500 mAh

Run Time: ~120 minutes

Charge Time: Less than 6h

Storage

Trends: 120 hours, at 1 min resolution; Mid-length trends: 4 hours, at 5 s resolution; Minitrends: 1 hour, at 1 s resolution

Parameter Alarms: 100 physiological alarms and manual events and related parameter waveforms.

OxyCRG Events: 100 OxyCRG events

Arrh. Events: 100 arrhythmia events and relate waveforms and parameters.

NIBP Measurements: 1000 sets

Full-disclosure Waveforms: 48 hours at maximum. The specific storage time depends on the waveforms stored and the number of stored waveforms.

Modules

Supported Modules: SpO2, MPM, IBP, C.O., CCO/ScO2, CO2, AG, BIS, RM, ScvO2, T1, BeneLink



Specifications

MPM Module

ECG

Leads: 3, 5, and 12-Lead
Sampling Rate: 500 samples/s (A/D); 500 samples/s (ECG algorithm)
Accuracy: 2.44 μ V/LSB
Heart Rate: Yes
ST Segment Analysis: Yes

Respiration

Measurement Range: Adult: 0 to 120 rpm ; Pediatric, neonate: 0 to 150 rpm
Resolution: 1 rpm
Accuracy: 7 to 150 rpm (± 2 rpm or $\pm 2\%$, whichever is greater)

SpO2

SpO2 High: (low limit + 2) to 100
SpO2 Low: Masimo: Desat to (high limit - 2); Nellcor: Desat or 20 (whichever is greater) to (high limit - 2)
Desat: 0 to (high limit - 2)

Temperature

Measurement Range: 0 to 50 °C (32 to 122°F)
Resolution: 0.1 °C
Accuracy: ± 0.1 °C or ± 0.2 °F (without probe)

NIBP

Mode of Operation: Manual, Auto and STAT
Max Measurement Time: Adult/Pediatric: 180 s; Neonate: 90 s
Heart Rate Range: 40 to 240 bpm
Accuracy: Max mean error: ± 5 mmHg; Max standard deviation: 8 mmHg
Resolution: 1mmHg

IBP

Measurement Range: -50 to 300 mmHg
Resolution: 1 mmHg
Accuracy: $\pm 2\%$ or ± 1 mmHg, (whichever is greater (without sensor))
PPV Measurement Range: 0% ~ 50%

SpO2 Module

Measurement Range: 1 to 100%

Resolution: 1%

Response time: ≤ 20 s

Refreshing Rate: ≤ 2 s

SpO2 Averaging Time: 2-4 s, 4-6 s, 8 s, 10 s, 12 s, 14 s, 16 s

IBP Module

Measurement Range: -50 to 300 mmHg

Resolution: 1 mmHg

Accuracy: $\pm 2\%$ or ± 1 mmHg, (whichever is greater (without sensor))

PPV Measurement Range: 0% ~ 50%



Specifications

C.O. Module

Measurement Method: Thermodilution method

C.O.: Measurement Range: 0.1 to 20 L/min; Resolution: 0.1 L/min; Accuracy: $\pm 5\%$ or ± 0.1 L/min, whichever is greater

TB: Measurement Range: 23 to 43 °C; Resolution: 0.1 °C; Accuracy: ± 0.1 °C (without sensor)

TI: Measurement Range: 0 to 27 °C; Resolution: 0.1 °C; Accuracy: ± 0.1 °C (without sensor)

CCO Module

Operating Mode: Interfaces with Edwards Vigilance II or Vigileo monitor

Measured Parameter: Consistent with CCO-related parameters output by Vigilance II or Vigileo monitor

CCO: 1 to 20 L/min; Resolution: 0.1

CCI: 0 to 20 L/min/m²; Resolution: 0.1

CO: 1 to 20 L/min; Resolution: 0.1

CI: 0 to 20 L/min/m²; Resolution: 0.1

CO2 Module

Measurement Mode: Sidestream, microstream

Technique: Infrared absorption

CO2 Measurement Range: 0 to 99 mmHg

Resolution: 1 mmHg

AG Module

Technique: Infrared absorption

Measurement Range: CO₂: 0 to 30%; O₂: 0 to 100%; N₂O: 0 to 100%; Des: 0 to 30%; Sev: 0 to 30%; Enf: 0 to 30%; Iso: 0 to 30%; Hal: 0 to 30%; awRR: 2 to 100 rpm

Resolution: CO₂: 1 mmHg; awRR: 1 rpm

BIS Module

Technique: Bispectral index

Measured Parameters: EEG; BIS, BIS L, BIS R: 0 to 100

RM Module

Technique: Flow sensor

Frequency Response: ≥ 30 Hz

Dead Space: ≤ 11 ml

Flow Measurement Range: Adult/pediatric*: $\pm (2$ to 120) L/min; Infant: $\pm (0.5$ to 30) L/min

Paw Measurement Range: -20 to 120 cmH₂O

MVe/MVi Measurement Range: Adult/Pediatric*: 2 to 60 L/min; Infant: 0.5 to 15 L/min

TVe/TVi Measurement Range: Adult/Pediatric*: 100 to 1500 ml; Infant: 20 to 500 ml

RR (RM) Measurement Range: 4 to 120 rpm

Specifications

ScvCO2 Module

Measurement Range: 0 to 99%

Accuracy: 50% to 80%: $\pm 3\%$

BeneLink Module

Used for transmitting information from an external source to the monitor. See the operating manual for compatible anesthesia machines, ventilators, neuromuscular transmission monitors, and transcutaneous monitors.

T1

The T1 can be connected to the Passport 17m as a multi-measurement module. It can be used to monitor temperature, IBP, NIBP, ECG, and SpO2. When disconnected from the 17m The T1 can continue to be used as a stand-alone patient monitor that runs on battery power.

