



The **Mindray V12** monitoring platform is a modular patient monitoring system. The system architecture allows users to customize, by removal or addition of modules, monitored parameters based on patients monitoring need or acuity level. The V Series monitoring platform maximizes the amount of viewable data through the use of a portrait display orientation.

Features

- 12.1 in color touch screen display with up to 8 waveforms.
- 3, 5,6, or 12 lead ECG.
- Ability to integrate with Panorama Central Stations and Nurse Call Systems.
- IV drug calculations and hemodynamic calculations.
- Modern User-interface.
- Interchangeable system elements.
- Consistent performance and easy maintenance.



Specifications

Dimensions

Height: 13.7 in (34.8 cm)
Width: 9.4 in (23.9 cm)
Depth: 7.5 in (19.1 cm)
Weight: 8.9 lbs (4.03 kg) (Without batteries)

Display

Type: TFT Display
Size: 12.1 in (30.7 cm)
Aspect Ratio: 3:4
Resolution: 1024 x 768 pixels

ECG (3,5,6 Lead)

Range: Neonatal BPM: 30 to 350; Pediatric and Adult BPM: 30 to 300
Resolution: 1 BPM
Accuracy: ± 3 BPM or $\pm 3\%$ from 30 to 250 BPM, whichever is greater and $\pm 5\%$ in the 251 to 350 BPM range

ECG (12 Lead)

Range: Neonatal, Pediatric, and Adult BPM: 30 to 300
Resolution: 1 BPM
Accuracy: ± 3 BPM or $\pm 3\%$ from 30 to 250 BPM, whichever is greater and $\pm 5\%$ in the 251 to 350 BPM range

NIBP Systolic Pressure

Accuracy: Mean error ± 5 mmHg
Standard Deviation: Less than 8 mmHg
Measurement Range: Adult Mode: 55 to 235 mmHg; Pediatric Mode: 55 to 160 mmHg; Neonate Mode: 45 to 120 mmHg
Resolution: 1 mmHg

NIBP Diastolic Pressure

Accuracy: Mean error ± 5 mmHg
Standard Deviation: Less than 8 mmHg
Measurement Range: Hg Adult Mode: 30 to 200 mmHg; Pediatric Mode: 30 to 150 mmHg; Neonate Mode: 20 to 100 mmHg
Resolution: 1 mmHg

NIBP Heart Rate

Accuracy: Greater of ± 3 BPM or $\pm 3\%$
Resolution: 1 BPM
Measurement Range: Adult Mode: 35 to 245 BPM; Pediatric Mode: 35 to 245 BPM; Neonate Mode: 70 to 245 BPM



Specifications Continued

IBP

Accuracy: ± 2 mmHg or 2% of the signal value which ever is greater (excluding transducer error).

Resolution: 1 mmHg

IBP Heart Rate

Range: Adult Mode:30 to 300 BPM; Pediatric Mode:30 to 300 BPM; Neonate Mode: 30 to 350 BPM

Resolution: 1 BPM

Accuracy: ± 3 BPM or $\pm 3\%$ at 30 to 250 BPM ± 5 BPM or $\pm 5\%$ from 251 to 350 BPM

Temperature

Range: 59°F to 113°F (15°C to 45°C)

Resolution: 0.1°F (0.1°C)

Accuracy: $\pm 0.2^\circ\text{F}$ ($\pm 0.1^\circ\text{C}$)

SpO2

Range: 70% to 100%

Resolution: 1%

Update Rate: 2 seconds

Nellcor SpO2 Heart Rate: Range: 20 to 249 BPM; Accuracy ± 3 BPM

Massimo SpO2 Heart Rate: Range: 26 to 239 BPM; Accuracy ± 3 BPM

Thermodulation Cardiac Output (CO)

Range: 0.2 to 20.0 liters/minute

Range for Hospira: 1.0 to 20.0 liters/minute

Range for Edwards Life Science: 1.0 to 20.0 liters/minute

Resolution: 0.1 liters/minute

Accuracy: 5% or 0.2 liters/minute, whichever is greater

Repeatability: + 2% or 0.2 liters/minute, whichever is greater as measured by electronically generated flow curves.

CO2

Performance: 0-99 mmHg

Respiration Rate Range: 0 to 150 RPM

Flow Rate: 50 ml/min -7.5 + 15 ml/min, flow measured by volume

Respiration Rate Accuracy: 0 to 70 RPM ± 1 RPM; 71 to 120 RPM ± 2 RPM; 121 to 150 RPM ± 3 RPM