

The **Mindray V21** 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 V21 monitoring platform maximizes the amount of viewable data through the use of a portrait display orientation.

Features

- 21.3 in color touch screen display with up to 12 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.



Soma Technology, Inc. • 166 Highland Park Drive • Bloomfield, CT 06002 • USA Phone: 1.800.GET.SOMA • www.SomaTechnology.com • Email: soma@somatechnology.com

Specifications

Dimensions Height: 23 in (58.4 cm)

Width: 16 in (40.6 cm) **Depth:** 9 in (22.9 cm)

Weight: 23 lbs (10.4) (Without batteries)

Display Type: TFT Display

Size: 21.3 in *(54.1 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 ±3% from 30 to 250 BPM, whichever is greater and ±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 ±3% from 30 to 250 BPM, whichever is greater and ±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 ± 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: ± 2mmHg 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 ± 3% at 30 to 250 BPM ± 5 BPM or ± 5% from 251 to 350 BPM

Temperature Range: 59° F to 113° F (15° C to 45° C)

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

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

 $RPM \pm 3 RPM$

