

Vital Signs Monitor

AMD-8250



Continuous and Spot-Check Monitor in One

The *Vital Signs Monitor* is an advanced continuous and spot-checking monitoring system used to capture and document patient vital signs. One of the many features that make this monitor so versatile to use in a variety of telemedicine applications is the ability to select from Monitor, Spot Check or Triage profiles. Once selected, each profile will provide access to different feature configurations customized for that specific application.



Product Features:

- Welch Allyn SureBP® technology gives you the ability to measure blood pressure in as little as 15 seconds, while the cuff is inflating.
- SureTemp Plus® thermometry allows you to obtain fast and accurate temperature readings in as little as 4-6 seconds.
- Step Deflation allows customized blood pressure preset settings for adult, pediatric and neonatal patients.
- Visually intuitive user interface makes it easy to operate and quick to train clinicians.
- Nellcore® Pulse Oximetry to take accurate blood oxygenation (SpO₂) readings.
- Home screen tab provides shortcut buttons to multiple feature settings so you can easily configure the device's operation to best suit your needs.
- Audible pulse tones and visible alarms identify areas that need immediate attention and indicate their levels of priority.
- High performance lithium ion battery provides 4 hours of on-time performance and 100% recharged capacity in 3 hours of plug-in time.
- Connects to leading EMR systems to reduce documentation errors and improve examination workflow.

Technical Specifications:

Physical Dimensions: 10" (H) x 11" (W) x 6" (D) / (25.4 cm x 27.9 cm x 15.2 cm)

Weight (including battery): 9.5 lb. (4.3 kg)

Non-invasive Blood Pressure (NIBP)

- Systolic Range: 20 to 260 mmHg
- Diastolic Range: 10 to 220 mmHg
- Mean Arterial Pressure Range: 13 to 230 mmHg
- Blood Pressure Accuracy: Meets or exceeds ANSI.AAMI SP10:2002
- Overpressure Cutoff: 300 mmHg \pm 15 mmHg (150 mmHg maximum)
- Blood Pressure Determination Time: Typical: 15 seconds; Maximum: 150 seconds

Temperature

- Temperature Range: 80° F to 110° F (26.7° C to 43.3° C)
- Calibration Accuracy:
 - ♦ Average Error \pm 0.3° F
 - ♦ Standard deviation: does not exceed 0.5° F

SpO₂

- Performance Measurement: 1% to 100%
- Pulse Rate Accuracy: 20 to 250 bpm \pm 3 digits
- Saturation Accuracy:
 - ♦ 70% to 100% for adult and pediatrics: \pm 2 digits
 - ♦ Neonate: \pm 3 digits

Electrical:

- AC power supply: 100 – 240 V AC, 50 – 60 Hz, 1.5 – 0.8 A
- Battery Type: rechargeable lithium ion internal battery (6 cell)
- Battery Life: 4 hours on-time performance
- Battery Recharge Time: 80% after 2 hours 100% after 3 hour plugged-in time
- Battery Operation: simultaneously operates device and charges battery when AC power adapter is plugged in

Operating Conditions:

- Operating Temperature: 50° F to 104° F (10° C to 40° C)
- Operating Relative Humidity: 15% to 95% (non-condensing)
- Operating Altitude: -557' to 10,000' (-170 m to 3048 m)

Storing Conditions:

- Storage Temperature: -4° F to 122° F (-20° C to 50° C)
- Storage Humidity: 15% to 95% (non-condensing)

Graphic Display Resolution:

- Display area: 8" (W) x 4" (H) {20.3 cm x 10.2 cm}
- Pixels: 1024 x 600 pixels



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