



The **Invivo MDE Prism SE** is a patient monitor that can display up to five different waveform traces simultaneously. This display can accurately reproduce physiological waveform abnormalities as well as provide details that are needed to make critical decisions. The monitor can keep track of various parameters at one time, including; ECG, Respiration, SpO₂, Blood Pressure, Temperature, ETCO₂, and Cardiac output. The Prism SE comes with AC battery or DC external power, making it easy to transport for any situation. The Battery operation is provided by one or two batteries, with an operating time ranging from 2 to 6.5 hours, depending upon configuration on the monitor. The large color monitor screen can be adjustable for optimal viewing. The Prism monitor can be used on a variety of patients from adults, pediatrics, and neonates. This unit is also available with the 900 MHz transceivers, model 20011V, which is to be used with the Vision Central Station system.

Features

- ECG, NIBP, Masimo SET or Nellcor
- SpO₂, Respiration
- 2 Continuous Temperatures:
 - SureTemp
 - Oral Predictive Temperature
- Up to 3 Invasive Pressures
- Cardiac Output with Hemodynamic Calculations
- 10.4 inch Color LCD display with large numerics
- Up to 5 waveforms
- Optional Dual Waveform Recorder
- 3.5 Hour Battery Life
- Optional Telemetry Receiver
- AutoNet
- Wireless Network with Adaptive Pathways
- HIS/CIS Interface w/HL7



Specifications

Dimensions

9.3 x 11.8 x 10.2 in./23.6 x 30.0 x 25.9 cm (HWD)

Weight

12.35 lb/5.6 kg (includes MPM with ECG, NIBP, SPO2, Temp)

Weight with 2 Batteries: add 2.9 lb/1.3 kg

ECG

Range: 10 to 300 BPM

Accuracy: $\pm 2\%$ or ± 2 BPM

Sweep Speed: 12.5, 25, 50 mm/sec selectable

High Alarm Limit Range: 50 to 250 BPM in 5 BPM steps – ADULT. 60 to 255 BPM in 5 BPM steps – PED/NEO

Low Alarm Limit Range: 20 to 150 BPM in 5 BPM steps – ADULT. 20 to 150 BPM in 5 BPM steps – PED/NEO

Bandwidth: 0.5 to 40 Hz (monitor); 0.05 to 100 Hz (diagnostic)

Leads: 3 lead: I, II, or III selectable. 5 lead, dual vector: I, II, or III, and V selectable

Sensitivity: 0.25 to 3 mV/cm selectable (12 levels)

Pacer Rejection: 0.1 to 2 msec; 2 to 700 mV

Heart Rate Source: ECG, Pleth, IBP

Defibrillation Tolerance: 400 joule with 50 ohm series lead impedance

Connector: Standard 6 pin MS

Isolation: Full electrical isolation

Respiration

Range: 4 to 200 BPM

Accuracy: $\pm 2\%$ or ± 2 BPM

Lead: RA to LA

Sensitivity: 0.25 to 3 ohm/cm selectable

High Alarm Limit Range: 30 to 150, OFF – Adult. 50 to 200, OFF – PED/NEO

Low Alarm Limit Range: 5 to 50, OFF – Adult. 5 to 80, OFF – PED/NEO

Apnea Delay Alarms: 10, 15, 20, 30, 40 seconds, and OFF – ADULT. 10, 15, 20 seconds, and OFF – PED/NEO

Sweep Speed: 1.56, 6.25, 12.5, 25 mm/sec selectable

Respiration Rate Source: ETCO2 or Leads

CVA Rejection: Rejects most cardiovascular coincidence

Display

Type: Color Active Matrix TFT LCD

Size: 10.4 in./26.4 cm diagonal

Resolution: 640 x 480 pixels

Number of Traces: 4 (standard) or 5 optional

Trace Length: 5 seconds

Power

Modular Batteries: 2 – each 12V; 2.0 AH Rechargeable Sealed Lead Acid

Battery Capacity with 2 batteries: – 1.25 to 2.25 hrs, depending on configuration

Battery Charge Time: 5hrs to 90% with unit in standby

Specifications

Power (continued)

Battery Level Indicator: Screen messages and audio tones
 Ac Main: 115/230VAC selectable, 48 to 62 Hz autosensing
 External DC In: 12 to 28VDC, 3A max
 Power: 27 W

Environmental

Operating Temp: 5 to 40° C
 Relative Humidity: 0 to 90% noncondensing
 See shipping carton for storage and transport specifications

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