



The **Invivo MDE Escort Prism SE** is an adult, pediatric, or neonatal patient monitor. It monitors ECG, respiration, temperature, NIBP, IBP, SpO₂, CO, and ETCO₂. Weighing in around 10.5-pounds, this monitor has one rechargeable sealed lead acid battery that allows up to 3.5 hours of operating time when disconnected from AC power. This Invivo monitor can transmit vital sign data and waveforms wirelessly to an ESCORT-Link or ESCORT Vision central station when equipped with a modular transponder.

Features

- Monitors adult, pediatric, and neonatal patients.
- 3, 4, or 5, displayable traces.
- 3.5 hour battery run time.
- 10.4-inch display.



Specifications

Dimensions

Height: 8.9 in (22.6 cm)
Width: 11.8 in (30 cm)
Depth: 10.2 in (19.3 cm)
Weight: 10.5 lbs (4.8 kg) (With one battery pack)

Display

Type: Color Active Matrix TFT LCD
Size: 10.4 in./26.4 cm diagonal
Resolution: 640 x 480 pixels
Number of Traces: 3, 4, or 5
Trace Length: 5 seconds

Power

Battery Pack: 1 – each 12V; 7.0AH Rechargeable Sealed Lead Acid
Maximum Operating Time: 3.5 hrs.
Battery Charge Time: 8-10 hrs to 90% with unit in standby
Battery Level Indicator: Screen messages and audio tones
Ac Main: 115/230VAC autosensing, 50 to 60 Hz selectable
External DC In: 12 to 28VDC, 3A max – charge batteries
Power: 27 W

ECG

Range: 10 to 300 BPM
Accuracy: $\pm 2\%$ or ± 2 BPM
Sweep Speed: 12.5, 25 mm/sec selectable
Leads: 3 lead: I, II or III selectable;
5 Lead/Dual Vector: I, II, III, or V selectable

Respiration

Range: 4 to 200 BPM
Accuracy: $\pm 2\%$ or ± 2 BPM
Lead: RA to LA
Display Sensitivity: 0.25 to 3 ohm/cm selectable
Min. Detection Sensitivity: 0.1 to 1.2 ohm depending on display setting
High Limit Range: 5 to 150
Low Limit Range: 5 to 50
Apnea Delay: 10, 15, 20, 30, 40
Sweep Speed: 1.56, 6.25, 12.5, 25 mm/sec selectable



Specifications

Temperature

Channels: 1 or 2
Range: 20 to 50° C (68 to 122° F)
Alarm Limit Range: 20-44° C
Accuracy: $\pm 0.1^{\circ}$ C
Probe: YSI 700 or 400, autosensing
Connector: 1/4 inch (0.6 cm) stereo phone jack

NIBP

Measurement Method: Oscillometric
Systolic Measurement Range: 30 to 275 mmHg ADULT, 30 to 170 mmHg PED, 30 to 140 mmHg NEO
Diastolic Measurement Range: 20 to 240 mmHg ADULT, 20 to 125 mmHg PED, 20 to 100 mmHg NEO
Pulse Rate: 30 to 250 BPM
Measurement Time: 40 seconds typical

SpO2 (Masimo/Nellcor)

Range: 1 to 100%
Accuracy: ADULT: 70 to 100% ± 2 digits; 50 to 69% ± 3 digits; NEO: 70 to 94% ± 3 digits
Pulse Rate Range: 20 to 250 BPM
Pulse Rate Accuracy: ± 3 BPM
High Limit Range: 70 to 100%
Low Limit Range: 50 to 99%

Cardiac Output

CO Range: 0.1 to 19.99 liters/minute
REF Range: 1% to 85%
Blood Temp. Range: 17.5 to 43° C
Injectate Temp. Range: 0 to 27° C

ETCO2

Type: Oridion Module
Flow Rate: 50 ml.min ± 7.5 ml/min
Resp Range: 0 to 150 bpm
System Response Time: 2.9 seconds
CO2 Report Resolution: 1 mmHg

Recorder

Channels: Any 1 or 2 waveforms, user selectable
Resolution: 8 dots/mm vertical, 32 dots/mm horizontal
Paper: 40 mm grid; 50 mm width
Sweep Speed: 6.25, 12.5, 25 mm/sec; 1 mm/sec Trend
Manual Record Duration: 16 seconds, 12 seconds memory

