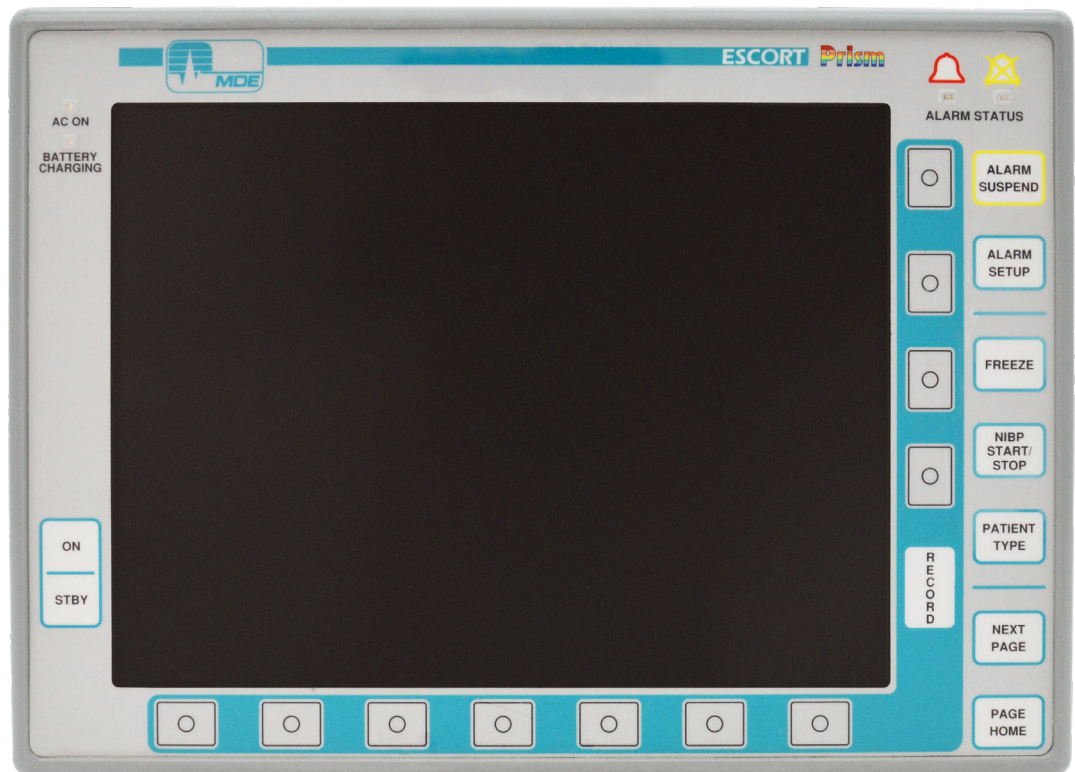




The **Invivo MDE Escort Prism** is an adult, pediatric, or neonatal patient monitor. It monitors ECG, respiration, temperature, NIBP, IBP, SpO₂, CO, and ETCO₂. Weighing in around 15.3-pounds, this monitor has two rechargeable sealed lead acid battery that allows up to 2.25 hours of operating time when 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.
- 2.25 hour battery run time.
- 3, 4, or 5, displayable traces.
- 10.4-inch display.



Specifications

Dimensions

Height: 9.3 in (23.6 cm)
Width: 11.8 in (30 cm)
Depth: 10.2 in (25.9 cm)
Weight: 15.25 lbs (6.9 kg) (With 2 battery packs and MPM module)

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

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
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

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: NDIR single beam, ratiometric
Warm Up: 45 seconds typical
Range: 0 to 99 mmHg
Accuracy: ± 2 mmHg or $\pm 5\%$ of reading below 77 mmHg
Sweep Speed: 1.56, 6.25, 12.5, 25 mm/sec selectable

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

