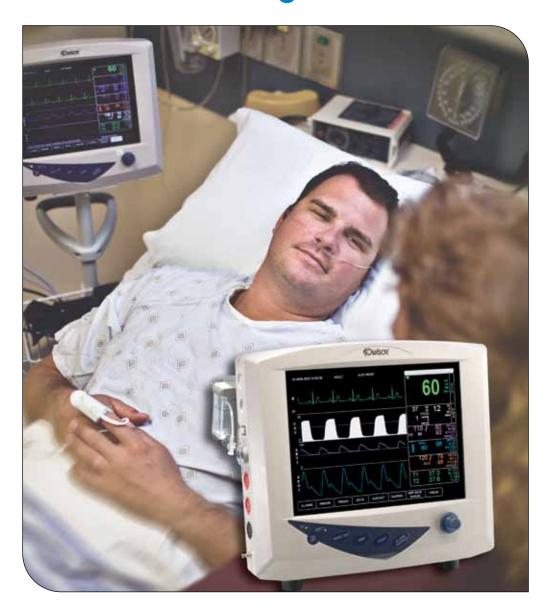
smiths medical bringing technology to life

Advisor® Vital Signs Monitor



The BCI® Advisor® Vital Signs Monitor offers the latest in multiparameter flexibility to allow you to tailor the monitor to your patients' needs, neonate to adult. The standard parameters include NIBP, 3-Lead ECG and SpO₂ with optional 5-Lead ECG, 2-Channel IP/Temperature, Capnography with standard or advanced pneumatics, battery and printer.

Combine the intuitive point-andclick user interface, integral carry handle and 4-trace, 10.4-inch high-resolution active matrix color LCD display with optional serial/analog output to create a highly versatile monitoring solution.

The Advisor® Vital Signs Monitor is also compatible with ProVation® Medical's Multi-Caregiver software enabling real-time downloading of procedural data that can then be transferred to a facility's electronic medical records.

For more information, visit smiths-medical.com/bci.

PATIENT MONITORING



Advisor® Vital Signs Monitor

Technical Specifications

DISPLAYS & CONTROLS

Main Display

10.4" high-resolution active matrix color LCD Resolution = 640 x 480 pixels

Function Keys

ON/OFF, BP Zero All, NIBP start/stop, PRINT start/stop, Alarm Silence, rotary encoded push-button control knob

INDICATORS

AC Power

Green LED w/power plug icon

Battery Power

Green LED w/battery icon

Range

0-100% (functional saturation)

Accuracy

±2% @ 70-100% < 70% unspecified

Alarm Range

50-100% and OFF

Averaging

4, 8, 16 pulse beat average

PULSE RATE (SPO₂) OR HEART RATE (ECG)

30-250 bpm (SpO₂) 30-300 bpm (ECG) 30-180 bpm (NIBP) 30-300 bpm (IBP-ART)

Accuracy

±2 bpm or ±2% (whichever is greater)

Alarm Range

30–250 bpm and OFF

Averaging

Fixed at 8 seconds

Configuration

3-lead (standard) or 5-lead (optional)

Lead Selection

I, II, III, aVL, aVR, aVF and V

Display Gain

x1/2, x1, x2, x4

Defibrillation Protection

Pace Detect/Reject

 Sweep Speed 25 mm/sec

IMPEDANCE RESPIRATION (not available in neonate mode)

Measuring Method

Impedance Pneumography

Rate

3-150 breaths/min

Accuracy

±1 breath/min or ±5% (whichever is greater)

Alarm Range

3-120 bpm and OFF (1 bpm steps)

NON-INVASIVE BLOOD PRESSURE

Range

Adult/Pediatric: 20-250 mmHg Neonate: 20-130 mmHg

Accuracy

Meets or exceeds SP10-1992 Standard for NIBP accuracy

Cuff Pressure Accuracy

±3 mmHg or ±2% (whichever is greater) Inflation Pressure Adjustment Range

Adult/Pediatric: 50-250 mmHg Neonate: 50-120 mmHg

Default Inflation

Adult:175 mmHa Pediatric:150 mmHg Neonate: 100 mmHg

Pressure Alarm Range

Adult/Pediatric: 20-250 mmHg and OFF

(1 mmHg steps)

Neonate: 20-135 mmHg and OFF

(1 mmHg steps)

2 CHANNEL INVASIVE PRESSURE - optional

Range

50 mmHg - 300 mmHg (after zeroing)

Accuracy

±1 mmHg or ±1% (whichever is greater) (exclusive of transducer error)

Alarm Range

-50 – 300 mmHg (in 1 mmHg steps)

2 CHANNEL TEMPERATURE - optional

Range

32°F-122°F (0°C-50°C)

Accuracy

 ± 0.2 °F (± 0.1 °C) plus temp sensor tolerance

Resolution

0.1°F (0.1°C)

Alarm Range

68°F-122°F (20.0°C-50.0°C) and OFF

Sensor Compatibility

YSI 400 or equivalent

SIDESTREAM CAPNOGRAPHY - optional (not available in neonate mode)

Measurement

Non-Dispersive IR absorption

• CO₂ Measurement Range

Display Range

0-100 mmHg; 0-13.3 kPa; 0-10% CO₂

Accuracy

±2 mmHg or ±4% of reading (whichever is greater) (0-10% CO₂)

Alarm Range

0-100 mmHg; 0-13.3 kPa; $0-10\% \text{ CO}_2 \text{ and OFF}$

N₂0 Compensation

Selectable 40% (default = OFF)



• CO₂ Respiration Measurement Range

0-120 breaths/min

CO₂ Accuracy ±1 breath/min

CO₂ Alarm Range

3-120 breaths/min (1 breath/min steps)

Averaging 4 breath

Flow Rate

150 ml/min ± 20 ml

Altitude

0-10,000 feet

Printer - optional

Dual trace printer provides waveforms, annotation lines, snapshot, continuous, print on alarms and trend tables

Dimensions

12" H x 13-1/4" W x 7" D (30.5 cm H x 34.0 cm W x 18.0 cm D)

Standards

EN60601-1, EN60601-1-1, UL60601-1, CSA Std C22.2 No. 601.1, EN60601-1-2

Weight

Without battery or capnograph: 8.25 pounds (3.75 kg) With battery and capnograph: 10.5 pounds (4.77 kg)

Power Requirements

AC Input 100–240 VAC 50/60 Hz, 0.8A Battery (optional), 2 hour operation, 6-8 hour recharge

Auxiliary Inputs/Outputs

Serial RS232/analog optional

ENVIRONMENTAL SPECIFICATIONS

• Operating Temperature 32°F-104°F (0°C-40°C)

Storage Temperature

-40°F-167°F (-40°C-75°C) **Relative Humidity**

15-95% (operating) (non-condensing) 10-95% (storage)

REGULATORY COMPLIANCE ISO 9001/ISO 13485

CATALOG NUMBER

• 9200

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Information subject to change without notice. Please read the Instructions for Use supplied with the product for detailed instructions, warnings and cautions. For more information, please call Smiths Medical PM, Inc. at 262-542-3100 or 800-558-2345 or your Smiths Medical distributor.

Smiths Medical PM, Inc.

Patient Monitoring and Ventilation

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