

Advisor® Vital Signs Monitor



The BCI® Advisor® Vital Signs Monitor offers the latest in multi-parameter 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-and-click 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

SPO₂

- **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)

- **Range**
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

ECG

- **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**
Yes
- **Pace Detect/Reject**
Yes
- **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 mmHg
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**
0-10% CO₂ STPD
- **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% CO₂ and OFF
- **N₂O 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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