

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: 200 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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