



ADVISOR® VITAL SIGNS MONITOR

THE BCI ADVANTAGE

- Basic parameters include 3-lead ECG, respiration, NIBP and SpO₂
- Options include 5-lead ECG, 2-channel IP, 2-channel temperature, capnography, a printer and rechargeable battery
- 4-trace, 10.4-inch high-resolution active matrix color LCD display
- On-screen trending of all monitored parameters
- Adjustable alarm limits as well as visible and audible alarms
- Capnography available with Standard Pneumatics, or Advanced Pneumatics for long-term use
- Integral handle enhances movability
- Intuitive point-and-click user interface



ECG, Capnography,
Invasive Pressure,
NIBP, Temperature

Tailor the monitor to the need with a variety of options.



ECG, Impedance Respiration,
SpO₂, NIBP

The **ADVISOR® VITAL SIGNS MONITOR** offers the latest in multi-parameter flexibility. Core parameters and a host of options allow you to tailor the monitor to your patients' needs, neonate to adult. Combine the intuitive interface, integral carry handle and high-resolution display with the optional rechargeable battery and dual trace printer to create a highly versatile monitoring solution. For more information visit smiths-bci.com.

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ADVISOR® VITAL SIGNS MONITOR

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% (function saturation)
Accuracy	±2% @ 70-100% ±3% @ 50-69%
Alarm Range	50-100% and OFF
Averaging	4, 8, 16 pulse beat average

Pulse Rate (SpO₂) or Heart Rate (ECG):

Range	30-250 bpm (SpO ₂) 30-180 bpm (NIBP) 30-300 bpm (ECG)
Accuracy	±2% bpm or ±2% (whichever is greater)
Alarm Range	50-100% 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
Defib. 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	5-150 bpm & OFF (1 bpm steps)

Non-Invasive Blood Pressure:

Range	20-250 mmHg (adult/ped) 10-135 mmHg (neonate)
Accuracy	Meets or exceeds SP10-1992 Standard for NIBP accuracy
Cuff Pressure Accuracy	±3 mmHg or ±2% (whichever is greater)
Inflation Pressure Adjustment Range	50-300 mmHg (adult/ped) 50-150 mmHg (neonate)
Default Inflation Pressure	175 mmHg (adult) 100 mmHg (neonate)
Alarm Range	20-300mmHg & OFF (1mmHg steps) (adult/ped) 20-135mmHg & OFF (1mmHg steps) (neonate)

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

Please read the Instructions for Use supplied with the product for detailed instructions, warnings, and cautions.

Q-Line for U.S.A. Customers call 1-800-348-1842 for emergency and clinical application information 24 hours a day, 365 days a year.

Experienced Clinical Specialists will return your call and assist with any questions you may have.

For more information or for the name of your representative, contact BCI, Inc.



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The product described is covered by U.S. Patent No. 5,437,275
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2 Channel Invasive Pressure - optional:

Range	-50 mmHg - 300 mmHg (after zeroing)
Accuracy	±1 mmHg or ±1% (whichever is greater)
Alarm Range	-50 -300 mmHg (in 1 mmHg steps)

2 Channel Temperature - optional:

Range	0-50°C (32-122°F)
Accuracy	±0.1°C (±0.2°F) plus temp sensor tolerance
Resolution	0.1°C (0.1°F)
Alarm Range	20.0-50.0°C (68-122°F) & OFF
Sensor Compatibility	YSI 400 or 700 series

Sidestream Capnography - optional (not available in neonate mode):

Measurement	Non-Dispersive IR absorption
Measurement Range	0-10% CO ₂ STPD
Display Range	0-100 mmHg; 0-13.3 kPa; 0-10% CO ₂
Accuracy	±2mmHg or 4% of reading (whichever is greater) (0-10% CO ₂)
Alarm Range	0-100 mmHg; 0-13.3 kPa; 0-10% CO ₂ & OFF
N ₂ O Compensation	selectable 40% (default = OFF)
Averaging	4 breath
Flow Rate	140 ml/min± 20 ml

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 (30.5cm H x 34.0cm W x 18.0cm D)

Weight:

Without battery or capnograph	12 pounds (5.4 kg)
With battery & capnograph	15 pounds (6.8 kg)

Power Requirements:

AC Input	90 - 120 VAC, 230-240 VAC, 50/60 Hz, 0.6 A
Battery (optional)	1 hour operation 4 hour recharge

Auxiliary Inputs/Outputs:

Serial RS232 standard
Optional analog output to interface with the Life Sensing Instrument Company, Inc. (LSI) Central Station

Environmental Specifications:

Operating Temperature	0-40°C (32-104°F)
Storage Temperature	-40°-75°C (-40°-167°F)
Relative Humidity (non-condensing)	15-95% (operating) 10-95% (storage)

Standards:

EN60601-1, EN60601-1-1, UL 2601, CSA Std C22.2 No. 601.1, EN60601-1-2

Regulatory Compliance:

510(k): 982279, K010770, K011177, K030407
ISO 9001 / EN 46001



Catalog Number: 9200



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