

# smiths

The Smiths Medical PM, Inc.

## ADVANTAGE

- SpO<sub>2</sub>, Pulse Rate & Pulse Strength measurements
- Backlit liquid crystal display
- Plethysmographic waveform
- Up to 30 hours of on screen trended data for all parameters
- Easy-to-operate menu structure
- Audible and visual alarms
- AC or battery power
- Monitor patients ranging from neonate to adult
- Genuine BCI® reusable & disposable sensors available

## BCI® 3180 PULSE OXIMETER

Making quality pulse oximetry more affordable.



The **BCI® 3180 PULSE OXIMETER** provides an exceptional value for everyday oximetry needs. This compact, stand-alone monitor delivers fast, reliable SpO<sub>2</sub>, Pulse Rate and Pulse Strength measurements, complete with a plethysmographic waveform and up to 30 hours of on-screen trending. Plus, the bright liquid crystal display, easy-to-use menu, and audible and visual alarms enhance clinical efficiency and quality of care for patients ranging from neonate to adult. For more information, visit [smiths-medical.com](http://smiths-medical.com).

# BCI® 3180 PULSE OXIMETER

## SPECIFICATIONS:

### Displays:

Display	Backlit LCD
Resolution	240 X 64 pixels
Waveform	Plethysmogram
Graphic Trends	SpO <sub>2</sub> , Pulse Rate, Pulse Signal Strength
SpO <sub>2</sub>	SpO <sub>2</sub> value, high and low alarm limits
Pulse Rate	Pulse Rate value, high and low alarm limits
Pulse Strength	Logarithmically scaled 8-segment bar graph

### Indicators:

Low Battery	Low battery icon when 10 minutes of battery life remain
Audio Status	Yellow LED and displayed symbol indicates alarm audio paused (2 min.) or indefinite
SpO <sub>2</sub> Sensor	Message indicates sensor problem
SpO <sub>2</sub> Search	Message indicates monitor is searching for a pulse
Small Pulse	Message indicates oximeter signal strength is low
Charge	Green CHARGE LED indicates external power and battery is charging
Lost Pulse	Message indicates monitor has lost the signal

### SpO<sub>2</sub>:

Range	0-100% functional SpO <sub>2</sub>
Accuracy	
Adult	±2% at 70-100% SpO <sub>2</sub>
Neonate	±3% at 70-100% SpO <sub>2</sub> <70% unspecified
Alarm Range	High=50-100% & OFF (1% steps) Low=50-99% & OFF (1% steps)
Averaging	4, 8, or 16 second average

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

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

### Pulse Rate:

Range	30-254 bpm
Accuracy	±2 bpm or ±2% (whichever is greater) at 30-254 bpm
Alarm Range	High=30-254 bpm & OFF (1 bpm steps) Low=30-254 bpm & OFF (1 bpm steps)
Averaging	8 or 16 second average

### Dimensions:

8"W x 6.5"H x 5"D  
(20.3cm x 16.5cm x 12.7cm)

### Weight:

4.5lb (2kg)

### AC Power Requirements:

Two voltage ranges selected by external switch  
90-125VAC 50/60Hz  
200-240VAC 50/60Hz

### Battery Life:

Standard lead-acid 6 VDC battery:  
Internal rechargeable  
approx. 4 hour continuous use (new)  
approx. 7 hour charge time

### Printer Output:

Serial infrared link—real time patient data  
RS232C trend table output

### Environmental Specifications:

Operating Temperature	32°F to 131°F (0°C to 55°C)
Storage Temperature	-40°F to 167°F (-40° to 75°C)
Relative Humidity	15-95% (operating) (non condensing) 10-95% (storage)

### Standards:

EN60601-1 (IEC 601-1)  
UL 2601-1 and CAN/CSA 601.1  
CAN/CSA NRTL/C

### Regulatory Compliance:

510(k): K020350



ISO 9001/ISO 13485

### Catalog Number:

3180 Pulse Oximeter

**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, please call Smiths Medical PM, Inc. Patient Monitoring and Ventilation at 262-542-3100 or 800- 558- 2345 or your Smiths Medical distributor

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**Smiths Medical PM, Inc.**

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