

# SPECTRO<sub>2</sub>™ | 10 Pulse Oximeter



● Large, Bright LED Display

● Simple, One-handed Operation

● Durable Construction

## Affordable, dependable and easy to use

Why sacrifice performance for cost? With the SPECTRO<sub>2</sub>™ | 10 pulse oximeter, you don't have to.

The SPECTRO<sub>2</sub>™ | 10 oximeter delivers quick, reliable spot-check results, meeting the needs of health care providers in primary care environments.

- Routine patient care assessments
- Ongoing management of episodic conditions
- Health wellness checks

With its unique features and optional accessories, the SPECTRO<sub>2</sub>™ | 10 oximeter can be customized to address the needs of virtually any clinical setting.

For more information about the SPECTRO<sub>2</sub>™ | 10 oximeter and its associated accessories, visit [smiths-medical.com/bci](http://smiths-medical.com/bci).

PATIENT MONITORING

SPECTRO<sub>2</sub>™ Pulse Oximeter Series –  
Designed With You in Mind

BCI

™

## SPECTRO<sub>2</sub> | 10 Pulse Oximeter Features

### PI (Pulse amplitude Index) Indicator

- Helps identify and maintain a good test site
- Enables confidence in results

### One of the largest displays on the hand-held market

- At-a-glance patient assessment
- Easy to view from wide angles
- 50% larger LEDs than comparable hand-held devices

### On-board sensor storage cradle

- Stores and protects sensor
- Reduces damage and minimizes replacement costs
- Sensor is always ready and available

### Versatility with multiple sensors

- Compatible with all BCI<sup>®</sup> sensors
- New BCI<sup>®</sup> 20-inch Spot-Check Sensor
  - Keeps frustrating cable tangles to a minimum
  - Quick, easy patient assessments

## Optional Accessories

### • Docking Station

- Converts hand-held device to a table-top unit
- Allows for convenient storage
- Recharges device and an additional "back-up" Lithium Ion battery
- Modular style for attaching optional printer



Docking Station



Attachable Printer

### • Attachable Printer

- Prints real-time, graphical and numerical trends

### • Power Options

- Disposable batteries
- AC power
- BCI<sup>®</sup> rechargeable Lithium Ion battery
- USB cable



Power Options

### • Protective Rubber Gloves

- Available in a range of colors



Protective Rubber Gloves

## Technical Specifications

### DISPLAYS AND INDICATORS

- **Keys** – ON/OFF button

### SpO<sub>2</sub> (FUNCTIONAL)

- **Range**  
0 to 99% (1% increments)
- **Standard Accuracy**  
Adult / Ped  $\pm 2 A_{rms}$  at 70 - 99%
- **Low Perfusion Accuracy**  
Adult / Ped  $\pm 2 A_{rms}$  at 70 - 99%  
Less than 70% unspecified  
(Pulse amplitude <1%. Tested using industry standard simulator.)
- **Averaging** – 8 beats

### PULSE RATE

- **Range** – 30 - 254 bpm (1 bpm increments)
- **Standard Accuracy**  
 $\pm 2 A_{rms}$  over 30 - 254 bpm range
- **Low Perfusion Accuracy**  
 $\pm 3 A_{rms}$  over 30 - 250 bpm range  
Less than 70% unspecified  
(Pulse amplitude <1%. Tested using industry standard simulator.)
- **Averaging** – 8 seconds

### PULSE SIGNAL STRENGTH

- **Range**  
0 to 9 indicator, indicates logarithmic strength of patient pulse
- **Display** – 9-segment red LED bargraph

### PULSE AMPLITUDE INDEX

- **Range** – 0% - 20% (0.2% increments)
- **Display** – 9-segment green/yellow LED bargraph

### POWER REQUIREMENTS

- **Battery**  
4 "AA" alkaline or custom 2-cell Lithium Ion rechargeable battery pack
- **External (from AC Charger)**  
9V, 3A output; input of 100-240 VAC, 50Hz, 60Hz
- **External (from USB)**  
Input: 5V, 500mA max (USB powered source)  
Output: 9V, 230mA max to oximeters

### BATTERY LIFE

- **Alkaline Cells Life** – Approx. 32 hours of use
- **Rechargeable Battery Life**  
Approx. 54 hours of continuous use (new)  
Approx. 3 hours typical recharge time

**MEMORY** – Stores data for up to 99 patients

### TREND STORAGE

- **Parameters**  
%SpO<sub>2</sub>, Pulse Rate, Pulse amplitude Index and Relative Time
- **Interval** – 4 seconds
- **Capacity** – 144 hours at 4 second intervals

### ENVIRONMENT

- **Operating Temperature**  
Oximeter and accessories: 0°C to 55°C (32°F to 130°F)  
Power supply: 0°C to 40°C (32°F to 104°F)  
Li+ battery charging: 5°C to 45°C (41°F to 113°F)
- **Relative Humidity**  
Operating: 15 to 95% (non-condensing)  
Storage: 10 to 95% (non-condensing)
- **Altitude** – Up to 10,000 ft.
- **Shock and Vibration** – Transport per ISO 9919

### PHYSICAL

- **Dimensions** – 3.3W x 6.1H x 1.7D in
- **Weight** – 340g including four "AA" batteries

### STANDARDS

EN60601-1, EN60601-1-2, ISO 9919

**WARRANTY** – 3 years

**CATALOG NUMBER** – WW1000

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.

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