

# 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

### • Protective Rubber Gloves

- Available in a range of colors

## 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

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