

SPECTRO₂™ | 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 SPECTRO₂™ | 10 pulse oximeter, you don't have to.

The SPECTRO₂™ | 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 SPECTRO₂™ | 10 oximeter can be customized to address the needs of virtually any clinical setting.

For more information about the SPECTRO₂™ | 10 oximeter and its associated accessories, visit smiths-medical.com/bci.

PATIENT MONITORING

SPECTRO₂™ Pulse Oximeter Series –
Designed With You in Mind

BCI

™

SPECTRO₂ | 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[®] sensors
- New BCI[®] 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

• Attachable Printer

- Prints real-time, graphical and numerical trends

• Power Options

- Disposable batteries
- AC power
- BCI[®] rechargeable Lithium Ion battery
- USB cable

• Protective Rubber Gloves

- Available in a range of colors



Docking Station



Attachable Printer



Power Options



Protective Rubber Gloves

Technical Specifications

DISPLAYS AND INDICATORS

- **Keys** – ON/OFF button

SpO₂ (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**
%SpO₂, 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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