

## BCI® 3303 Hand-Held Pulse Oximeter



**The BCI® 3303** Hand-Held Pulse Oximeter facilitates spot checking and continuous SpO<sub>2</sub> and pulse rate monitoring for home-care use, as well as at the hospital bedside or for land or air transport situations. Stores data for later sleep screening analysis via a PC or commercially available printer. It's precisely the kind of reliable performing device you'd expect from the global leader in hand-held pulse oximetry technology.

For more information visit [smiths-medical.com/bci](http://smiths-medical.com/bci).

**PATIENT MONITORING**



## BCI® 3303 Hand-Held Pulse Oximeter

- 3 operating modes enhance user convenience. (Clinic, home and sleep)
- Allows menu-free operation via one touch, direct-function keys.
- Easily adjust LED display brightness to optimize viewing.
- Pulse strength bar on screen.
- Adjustable alarm limits for SpO<sub>2</sub> and pulse rate.
- Instantly distinguish between audible patient alarms and system alerts.
- View patient history on-screen; recall up to 99 patient SpO<sub>2</sub> and pulse rate readings with 24 hour memory.
- Protective rubber boot included.
- Pole mount available.
- Internal rechargeable NiMH battery.
- Genuine BCI® reusable and disposable sensors available.

### Technical Specifications

#### DISPLAYS, INDICATORS AND KEYS

- **SpO<sub>2</sub>**  
LED numeric display 0.43 inches (11 mm) high
- **Pulse Rate**  
LED numeric display 0.375 inches (9.5 mm) high
- **Pulse Strength**  
Logarithmically scaled 8-segment LED bar graph
- **Low Battery**  
LED flashes when approximately 30 minutes of battery life remains
- **Alarm Silence**  
LED flashes or lights to remind the user that audio alarms are disabled
- **Sensor**  
LED flashes to alert the operator to check the SpO<sub>2</sub> sensor placement

#### SPO<sub>2</sub>

- **Range**  
0 to 100%
- **Accuracy**  
±2% at 70-100%; ±3% at 50-69%
- **Averaging**  
4, 8, or 16 pulse beat average
- **Alarm Range**  
High: 50%-100% and OFF (1% steps)  
Low: 50%-99% and OFF (1% steps)

#### PULSE RATE

- **Range**  
30-254 bpm
- **Accuracy**  
±2% at 30-254 bpm
- **Resolution**  
1 bpm
- **Averaging**  
8 or 16 seconds
- **Alarm Range**  
High: 5-250 bpm and OFF (5 bpm steps)  
Low: 5-250 bpm and OFF (5 bpm steps)

#### MEMORY

Spot checks and trends can be stored for up to 99 patients and 24 hours of run time (12 hours in sleep mode)

#### AUXILIARY SERIAL PRINTER/ COMPUTER OUTPUT

Data saved every thirty seconds can be printed or downloaded to a PC (trend)

Data saved every four seconds in sleep mode can be output and processed by commercially available sleep study software

#### DIMENSIONS

7.25" H x 3.3" W x 1.85" D  
(18.4 cm H x 8.4 cm W x 4.7 cm D)

#### WEIGHT

19 oz. (539 grams)

#### POWER REQUIREMENTS

- **AC Power**  
105-125 VAC, 60 Hz  
208-252 VAC, 50 Hz (optional)  
90-110 VAC, 50/60 Hz (optional)
- **Battery**  
Standard NiMH  
(Nickel Metal Hydride)

#### BATTERY LIFE

Internal rechargeable, not user replaceable. Fully charges in about 6 hours. Approximately 24 hours of continuous use.

#### ENVIRONMENTAL

- **Operating Temperature**  
-4°F to 131°F (-20°C to 55°C)
- **Storage Temperature**  
-40°F to 167°F (-40°C to 75°C)
- **Relative Humidity** (non-condensing)  
10-95% (storage)  
15-95% (operating)

#### MECHANICAL DURABILITY TEST RESULTS

- **Vibration Testing**  
In compliance with IEC 68-2-6,  
IEC 68-2-34
- **Shock Testing**  
In compliance with IEC 68-2-27
- **Drop Testing**  
Exceeded UL 544 testing  
recommendations

#### STANDARDS

EN60601-1, EN60601-1-2, UL 544

#### REGULATORY COMPLIANCE

ISO 9001/ISO 13485

#### CATALOG NUMBER

- **3303**  
Hand-Held Pulse Oximeter

Information 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 clinical application information.

For more information, please call Smiths Medical PM, Inc., at 262-542-3100 or 800-558-2345, or your Smiths Medical distributor.

#### Smiths Medical PM, Inc.

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