

# FingerPrint® Sleep Hand-Held Pulse Oximeter



**The BCI® FingerPrint Sleep** Hand-Held Pulse Oximeter is designed specifically for overnight sleep screenings, combines the quality and versatility you need with the convenience users want. A Pulse Strength Bar helps assure signal quality of the sensor site. The 6-second press-and-hold off feature helps prevent accidental shutoff. The pictorial User's Guide makes overnight sleep screenings easy...in the clinic... or at home.

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

**PATIENT MONITORING**



# FingerPrint® Sleep Hand-Held Pulse Oximeter

- Integrated printer provides immediate hard-copy documentation of Desaturation Summary Report.
- Easy-to-use, 2-key operation.
- 3-mode versatility: spot checking, data collection, and data transfer.
- Display disappears during data collection, conserving power and reducing patient distractions.
- Download an entire 8-hour study to a PC using commercially available software in a matter of minutes.
- View desaturation and heart rate data via optional PC data management software.
- Economically download and print 2 full overnight sleep screens on one set of 4 "AA" alkaline batteries.
- Genuine BCI® reusable and disposable sensors available.

## Technical Specifications

### DISPLAYS, INDICATORS AND KEYS

- **SpO<sub>2</sub>**  
LED numeric display 0.300 inches (7.62 mm) high
- **Pulse Rate**  
LED numeric display 0.300 inches (7.62 mm) high
- **Pulse Strength**  
Logarithmically scaled, 8-segment bar graph
- **Keys**  
ON/OFF and Print

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

- **Range**  
0-99% functional SpO<sub>2</sub> (1% increments)
- **Accuracy**  
±2% at 70-99%; <70% unspecified
- **Averaging**  
4 beat average

### PULSE RATE

- **Range**  
30-254 bpm (1 bpm increments)
- **Accuracy**  
±2 bpm or ±2% whichever is greater
- **Averaging**  
8 second average

### TREND STORAGE

- **Parameters**  
SpO<sub>2</sub>, pulse rate and relative time
- **Interval**  
4 seconds
- **Capacity**  
12 hours of storage

### POWER REQUIREMENTS

(4) "AA" alkaline batteries

### BATTERY LIFE

2 sleep screening cycles  
(1 cycle=10 min with display ON, 8 hrs with display OFF, 5 min printing) or 80 hrs intermittent monitoring (1 min ON, 2 min OFF)

### INTEGRATED PRINTER

1-inch wide thermal printer paper  
15 characters per line

### DIMENSIONS

6.6" H x 2.75" W x 1.43" D  
(16.7 cm H x 7.0 cm W x 3.6 cm D)

### WEIGHT

13 oz. (369 grams)

### SERIAL OUTPUT

RS232C

### ENVIRONMENTAL

- **Operating Temperature**  
32°F to 131°F (0°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 MIL-STD-810E, Method 514.4 IEC 68-2-6, IEC 68-2-34
- **Shock Testing**  
In compliance with IEC 68-2-27
- **Drop Testing**  
IEC 60601-1, section 21.5

### STANDARDS

EN60601-1 (IEC 60601-1),  
CAN/CSA 601.1, IEC 60601-1-2

### REGULATORY COMPLIANCE

ISO 9001/ISO 13485

### CATALOG NUMBER

- **3403-000**  
FingerPrint® Sleep  
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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