

BCI® 3303 Hand-Held Pulse Oximeter



The BCI® 3303 Hand-Held Pulse Oximeter facilitates spot checking and continuous SpO₂ 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.

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 SpO₂ and pulse rate.
- Instantly distinguish between audible patient alarms and system alerts.
- View patient history on-screen; recall up to 99 patient SpO₂ 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

- **SpO₂**
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 SpO₂ sensor placement

SPO₂

- **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.

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