

BCI™ 3180 PULSE OXIMETER

SPECIFICATIONS (Nominal):

Displays:

Display	Backlit LCD
Resolution	240 X 64 pixels
Waveform	Plethysmogram
Graphic Trends	SpO ₂ , Pulse Rate, Pulse Signal Strength
SpO ₂	
Pulse Rate	
Pulse Strength	Logarithmically scaled 8-segment bar graph

Indicators:

Low Battery	Low battery icon when 10 minutes of battery life remain
Audio Status	Yellow LED and displayed symbol indicates alarm audio paused (2 min.) or off
SpO ₂ Sensor	Message indicates sensor problem
SpO ₂ Search	Message indicates monitor is searching for a pulse
Small Pulse	Message indicates oximeter signal strength is low
Charge	Green CHARGE LED indicates external power and battery is charging
Lost Pulse	Message indicates monitor has lost the signal

SpO₂:

Range	0-100%
Accuracy	
Adult	±2% @70-100% SpO ₂
Neonate	±3% @70-100% SpO ₂ <70% unspecified
Alarm Range	High=50-100% & OFF (1% steps) Low=50-99% & OFF (1% steps)
Averaging	4, 8, or 16 second average

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

Please read the Instructions for Use supplied with the product for detailed instructions, warnings, and cautions.

Pulse Rate:

Range	30-254 bpm
Accuracy	±2 bpm or ±2% (whichever is greater) @ 30-254 bpm
Alarm Range	High=30-254 bpm & OFF Low=30-254 bpm & OFF
Averaging	8 or 16 second average

Dimensions:

8"W x 6.5"H x 5"D
(20.3cm x 16.5cm x 12.7cm)

Weight:

4.5lb (2kg)

AC Power Requirements:

Two voltage ranges selected by external switch
90-125VAC 50/60Hz
200-240VAC 50/60Hz

Battery Life:

Standard lead-acid 6 VDC battery:
Internal rechargeable
4 hour continuous use (new)

Printer Output:

Serial infrared link—real time patient data
RS232 trend table output

Environmental Specifications:

Operating Temperature	32°F to 104°F (0°C to 55°C)
Storage Temperature	-40°F to 167°F (-40° to 75°C)
Relative Humidity	15-95% (operating) (non condensing) 10-95% (storage)

Standards:

EN60601-1 (IEC 601-1)
UL 2601-1 and CAN/CSA 601.1
CAN/CSA NRTL/C

Regulatory Compliance:

510(k): K020350



CE 0473

ISO 9001 / EN 46001

Catalog Number: 3180

Q-Line for U.S.A. Customers call 1-800-348-1842 for emergency and clinical application information 24 hours a day, 365 days a year. Experienced Clinical Specialists will return your call and assist with any questions you may have.

For more information or for the name of your representative, contact BCI, Inc.



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