



SIMS BCI, Inc. Capnocheck® Sleep Capnograph/Oximeter

SPECIFICATIONS:

Displays & Indicators:

| | |
|---------------------|---|
| Display | Vacuum Fluorescent |
| Indicators | Alarm, Alert, Charge, Silenced |
| Displayed Trends | Graphical display, factory selectable sample rate, user selectable trend |
| Displayed Waveforms | 16 hr. display @ 12 sec. sample rate, 10 hr. display @ 4 sec. sample rate Selectable CO ₂ or CO ₂ /Plethysmogram waveform |

Alarms:

| | |
|----------------|---|
| Physiological | Dual pitch, adjustable volume User-selectable high and low limits for all displayed parameters Screen indicators for each parameter |
| System Silence | Single pitch, adjustable volume Temporary 2 min. or OFF LED indicator |

Flow Rate:

150 ml/min, ± 20

CO₂:

| | |
|---------------|---|
| Measurement | Non-Dispersive IR absorption |
| Range | 0 – 10% CO ₂ |
| Units | User-selectable: mmHg, Vol. %, kPa |
| Display Range | 0–100 mmHg or 0–10.0% CO ₂ or 0–13.3 kPa |
| Accuracy | ±2 mmHg; ±0.3%; ±0.3 kPa, or 4% of reading, whichever is greater (0-10% CO ₂) |

Resolution

1 mmHg; 0.1%; 0.1 kPa

Calibration

2 point Cal

N₂O

User-selectable 40% (default = OFF)

Response Time

375 msec to 90% of value

Averaging

4-breath average, or breath-to-breath selectable

Respiration Rate:

| | |
|-----------|------------------|
| Range | 0-150 bpm |
| Averaging | 4 breath average |
| Accuracy | ± 1 bpm |

SpO₂:

| | |
|-----------|--|
| Range | 0-100% Functional SpO ₂ |
| Accuracy | ±2% at 70-100% |
| Averaging | 4, 8, or 16-beat averaging (default: 8-beat) |

Pulse Rate:

| | |
|------------|---|
| Range | 30-254 bpm |
| Accuracy | Greater of ±2 bpm or ±2% |
| Averaging | 8 or 16 seconds, user-selectable |
| Pulse Tone | Pitch corresponds to SpO ₂ value Volume adjustable or OFF |

Power Requirements:

| | |
|------------------|---|
| AC Charger Input | 115V~, 60 Hz (Optional) 100 V~, 50 Hz (Optional) 230V~, 50/60 Hz |
| Battery | Nickel Cadmium battery, 6 VDC, internal rechargeable, not user replaceable, fully charged continuous – use life 2 hours approximate, maximum full charge time 4 hours |

Analog Output:

| | |
|--------------|--|
| Any four of: | CO ₂ waveform, Plethysmogram, End Tidal CO ₂ , Respiration Rate, Inspired CO ₂ , % SpO ₂ , Pulse Rate, 0V or 1V Cal Signal, 0-1 VDC full scale |
|--------------|--|

Range

Serial Output:

| | |
|------------------|-------------------------------------|
| RS232C: | tabular trends, patient data |
| For Sleep Study: | 10 hrs. @ 4 sec., 31 hrs. @ 12 sec. |

Weight:

4.8 pounds (2.2 kg)

Dimensions:

3.5" H x 10.0" W x 5.5" D
(88.9 mm H x 254 mm W x 139.7 mm D)

Environmental Specifications:

| | |
|------------------------------------|--|
| Operating Temperature | 32 to 122° F (0 to 50° C) |
| Storage Temperature | -40 to 158° F (-40 to 70° C) |
| Relative Humidity (non-condensing) | 10 – 95% (storage) 15 – 95% (operating) |

Safety Approvals:

| | |
|--------|---|
| Safety | EN60601-1, EN60601-1-1, UL 544, CSA Std. C22.2 No. 125-1984 |
| EMC | EN60601-1-2 |

EMC

Catalog Numbers:

| | |
|----------|---------------------------------------|
| 9004-050 | Capnocheck® Sleep Capnograph |
| 9004-051 | Capnocheck® Sleep Capnograph/Oximeter |

SPECIFICATIONS 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 our Q-Line at 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 SIMS BCI representative, contact SIMS BCI, Inc.



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The product referenced is covered by U.S. Patent number 5,386,833; 5,437,275
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BCI 9004-051 Rev 00