

Capnocheck® Plus Capnograph



The BCI® Capnocheck® Plus Capnograph combines economical End Tidal CO₂ technology with the flexibility to add pulse oximetry and FiO₂ as needed. What's more, this lightweight, portable monitor reliably monitors either intubated or non-intubated patients. Whether monitoring the mechanically ventilated patient or the individual receiving PCA analgesia, or in any situation where respiratory status requires monitoring, the Capnocheck® Plus can be an indispensable tool for insuring patient safety. And, with its crisp, clear waveforms and large numerics the Capnocheck® Plus is an ideal addition to your demanding clinical environments.

For more information, visit smiths-medical.com/bci.

PATIENT MONITORING



Capnocheck® Plus Capnograph

- Economically monitor ETCO₂... plus SpO₂ and FiO₂
- High-resolution vacuum fluorescent display
- Simplified menu structure for easy operation
- Economical sidestream technology
- Monitor intubated and non-intubated patients
- Breath-by-breath CO₂ detection allows rapid response to patient changes
- Flexibility to incorporate SpO₂ and FiO₂ technology options
- 4-channel analog output for polysomnography interfacing
- Remote alarm interfacing through nurse call systems
- Genuine BCI® reusable and disposable sensors available

DISPLAYS & INDICATORS

- **Display**
Vacuum fluorescent
- **Indicators**
Alarm, Charge, Silenced
- **Displayed Trends**
Graphical display, user-selectable sample rate, user-selectable trend up to 16 hr. display at 12 sec. sample rate, up to 10 hr. display at 4 sec. sample rate
- **Displayed**
Selectable CO₂ or CO₂/Plethysmogram
- **Waveforms**
Waveform

ALARMS

- **Physiological**
Adjustable volume, user-selectable high and low limits for all displayed parameters; Screen indicators for each parameter
- **System**
Adjustable volume
- **Silence**
Temporary 2 min. or indefinite LED indicator

FLOW RATE

150 ml/min, \pm /-20

CO₂

- **Measurement**
Non-dispersive IR absorption
- **Measurement Range**
0-10% CO₂ STPD (Standard Temperature Pressure Dry)
- **Units**
User-selectable: mmHg, Vol. %, kPa
- **Display Range**
0-100 mmHg or 0-10.0% CO₂ or 0-13.3 kPa
- **Accuracy**
 \pm 2 mmHg; \pm 0.3%; \pm 0.3% kPa, or 4% of reading, whichever is greater [0-10% CO₂]
- **Resolution**
1 mmHg; 0.1%; 0.1 kPa
- **Calibration**
2 point Cal
- **N₂O – Compensation**
User-selectable 40% (default = OFF)

- **Rise Time**
360ms (average)
- **Averaging**
4-breath average, or breath-by-breath, user selectable

RESPIRATION RATE

- **Range**
0-150 bpm
- **Averaging**
4-breath average
- **Accuracy**
 \pm 1 bpm

SpO₂ (OPTIONAL)

- **Range**
0-100% functional SpO₂
- **Accuracy**
 \pm 2% at 70-100%; \pm 3% at 50-69%
- **Averaging**
4, 8, or 16-beats, user-selectable (default: 8)

PULSE RATE (OPTIONAL)

- **Range**
30-250 bpm
- **Accuracy**
 \pm 2% or \pm 2 bpm, whichever is greater
- **Averaging**
8 or 16 seconds, user-selectable (default: 8)
- **Pulse Tone**
Pitch corresponds to SpO₂ value; Volume adjustable or OFF

FiO₂ (OPTIONAL)

- **Range**
0-100%
- **Accuracy**
 \pm 2%
- **Response Time**
< 10 seconds to 90%
- **Drift**
< 2% full scale per month

POWER

- **AC Charger**
115V~, 60 Hz
- **Input**
[Optional] 100V~, 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 of 4 hours

SERIAL OUTPUT

- **RS232C**
Tabular trends, patient data

ANALOG OUTPUT

- **Any Three Of**
CO₂ waveform, Plethysmogram, End Tidal CO₂, Respiration Rate, Inspired CO₂, % SpO₂, Pulse Rate Fractional Inspired Oxygen, 0V or 1V Cal Signal
- **Range**
0-1 VDC full scale

REMOTE ALARM

Optional cable available

PHYSICAL

- **Dimensions**
3.5" H x 10.0" W x 5.5" D
[8.0 cm H x 25.4 cm W x 13.9 cm D]
- **Weight**
4.8 pounds (2.2 kg)

ENVIRONMENTAL

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

STANDARDS

EN60601-1, EN60601-1-1, EN60601-1-2,

REGULATORY COMPLIANCE

ISO 9001/ISO 13485

CATALOG NUMBER

- **9004**
Capnocheck® Plus Capnograph
- **Available Languages**
English, German, French, Italian, Spanish, Portuguese

Information subject to change without notice. Please read the instructions for use supplied with the product for detailed instructions, warnings and cautions.

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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