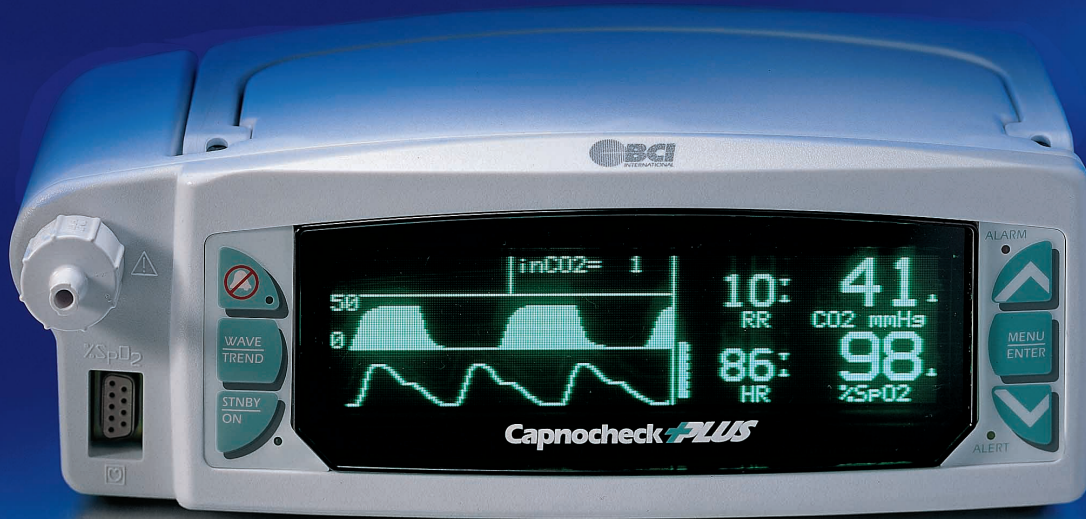


# BCI, Inc. Capnocheck® Plus Capnograph



## Intelligent Capnography **PLUS** ...

BCI, Inc. engineers the cost out of End Tidal CO<sub>2</sub> technology with the Capnocheck® Plus Capnograph, the second in the Clarity® Series of monitors. The Capnocheck® Plus Capnograph offers crisp, clear waveforms with large numerics for maximum visibility. With the optional additions of pulse oximetry and FiO<sub>2</sub>, the lightweight, portable Capnocheck® Plus monitor has the flexibility to meet the needs of today's demanding clinical environments.



- ◆ High resolution vacuum fluorescent display
- ◆ Simplified menu structure
- ◆ Monitoring of both intubated and non-intubated patients
  - ◆ Flexibility to incorporate SpO<sub>2</sub> and FiO<sub>2</sub> technology
- ◆ Patented moisture removal system
  - ◆ 4 channel analog output for polysomnography interfacing



# BCI, Inc. Capnocheck<sup>®</sup> Plus Capnograph

## SPECIFICATIONS:

### Displays & Indicators:

Display Vacuum Fluorescent  
 Indicators Alarm, Alert, Charge, Silenced  
 Displayed Trends Graphical display, factory selectable sample rate, user selectable trend  
 16 hr. display @ 12 sec. sample rate,  
 10 hr. display @ 4 sec. sample rate  
 Displayed Waveforms Selectable CO<sub>2</sub> or CO<sub>2</sub>/Plethysmogram waveform  
 Alarms:  
 Physiological Adjustable volume User-selectable high and low limits for all displayed parameters  
 Screen indicators for each parameter  
 System Silence Adjustable volume  
 Temporary 2 min. or OFF LED indicator  
 Flow Rate: 120 ml/min, +/-20

CO<sub>2</sub>:  
 Measurement Non-Dispersive IR absorption  
 Measurement Range 0-10% CO<sub>2</sub>  
 Units User-selectable: mmHg, Vol. %, kPa  
 Display Range 0-100 mmHg or 0-10.0% CO<sub>2</sub> or 0-13.3 kPa  
 Accuracy ±2 mmHg; ±0.3%; ±0.3 kPa, or 4% of reading, whichever is greater (0-10% CO<sub>2</sub>)  
 Resolution 1 mmHg; 0.1%; 0.1 kPa  
 Calibration 2 point Cal  
 N<sub>2</sub>O Compensation User-selectable 40% (default = OFF)  
 Response Time 375 msec to 90% of value  
 Averaging 4-breath average or breath by breath, user selectable

Respiration Rate:  
 Range 0-150 bpm  
 Averaging 4-breath average  
 Accuracy ± 1 bpm

SpO<sub>2</sub> (Optional):  
 Range 0-100%  
 Accuracy ±2% at 70-100%; ±3% at 50-69%  
 Averaging 4, 8 or 16 beat, user-selectable

Pulse Rate (Optional):  
 Range 30-250 bpm  
 Accuracy ±2% @ 30-250 bpm

Averaging 8 or 16 seconds, user-selectable  
 Pulse Tone Pitch corresponds to SpO<sub>2</sub> value  
 Volume adjustable or OFF

FiO<sub>2</sub> (Optional):  
 Range 0-100%  
 Accuracy ±2%  
 Response Time < 10 sec. to 90%  
 Drift < 2% full scale per month

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)

Weight: 4.8 lbs. (2.2 kg)

Power Requirements:  
 AC Charger 115 V~, 60 Hz  
 Input (Optional) 100 V~, 50 Hz  
 (Optional) 230 V~, 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

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

Analog Output:  
 Any three of: CO<sub>2</sub> waveform, Plethysmogram, End Tidal CO<sub>2</sub>  
 Respiration Rate, Inspired CO<sub>2</sub>, %SpO<sub>2</sub>, Pulse Rate  
 Fractional Inspired Oxygen, 0V or 1V Cal signal,  
 Range 0-1 VDC full scale

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

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

MDD Version Available

Available languages: English, German, French, Italian,  
 Spanish, Portuguese

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 BCI representative, contact BCI, Inc.



Quality in Advanced Monitoring

N7 W22025 Johnson Road  
 Waukesha, Wisconsin 53186 USA  
 Phone 262-542-3100 Fax 262-542-0718 Toll-Free 1-800-558-2345  
 e-mail: info@smiths-bci.com Internet: http://www.smiths-bci.com

ISO 9001 Certified



smiths  
 Smiths Medical - A part of Smiths Group plc

The product referenced is covered by U.S. Patent number 5,386,833; other patents pending

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