

# Capnocheck® II Hand-Held Capnograph/Oximeter



**The BCI® Capnocheck® II** Hand-Held Capnograph/Oximeter is a full-featured, highly portable unit available in your choice of configurations, delivering capnography only or capnography combined with oximetry. Ideally suited for use in and out of the hospital, its back-lit display assures easy viewing of wave-forms, numeric values and on-screen trending data. The battery-operated design with an optional battery bypass offers the flexibility to accommodate both stationary and transport applications. Plus, an infrared link to an external printer provides quick, trouble-free downloading.

## PATIENT MONITORING



## Capnocheck® II Hand-Held Capnograph/Oximeter

- Measures ETCO<sub>2</sub>, inspired CO<sub>2</sub>, respiration rate, SpO<sub>2</sub> and heart rate.
- Provides waveforms, numeric values and on-screen trending.
- Easy-to-read EL back-lit LCD display.
- Adjustable alarm limits, as well as visual and auditory alarms.
- Sidestream technology accommodates intubated and non-intubated patients.
- Lightweight for easy transport.
- Infrared link to an external printer assures trouble-free download.
- Monitor patients ranging from pediatric to adult.
- Genuine BCI® reusable and disposable sensors available.

### Technical Specifications

#### DISPLAYS, INDICATORS AND KEYS

- **Display**  
LCD, with EL back light
- **Indicators**  
High and medium/low priority alarm, Alarms silenced, and AC power
- **Displayed Trends**  
Graphical display for ETCO<sub>2</sub>, respiration rate, % SpO<sub>2</sub>, or pulse rate; user selectable scale
- **Displayed Waveforms**  
CO<sub>2</sub>, waveform or oximetry plethysmogram, user selectable
- **Pulse Strength (Optional)**  
8-segment bar graph indicates logarithmic strength of patient's pulse. Not proportional to pulse volume.

#### CAPNOGRAPH

- **Measurement**  
Non-dispersive IR absorption
- **Calibration**  
Manual 2 point
- **Measurement Range**  
0 to 10% CO<sub>2</sub> STPD (standard temperature and pressure dry)
- **Display Range**  
0 to 100 mmHg; 0-13.3 kPa; 0-10% CO<sub>2</sub>
- **Accuracy**  
±2 mmHg or 4% (whichever is greater) (for <50 breaths/min)
- **System Response Time**  
2.46s to 90% with 8 ft. patient line
- **N<sub>2</sub>O Compensation**  
Selectable 40% (default = OFF)
- **Averaging**  
4-breath average
- **Flow Rate**  
120 ± 20 ml/min

#### RESPIRATION RATE

- **Range**  
0 to 150 breaths/min
- **Accuracy**  
±1 bpm
- **Averaging**  
4-breath average

#### SPO<sub>2</sub> (OPTIONAL)

- **Range**  
0 to 100% SpO<sub>2</sub> (functional)
- **Accuracy**  
±2% at 70 to 100% SpO<sub>2</sub>  
±3% at 50 to 69% SpO<sub>2</sub>
- **Averaging**  
8 beats

#### PULSE RATE (OPTIONAL)

- **Range**  
30 to 254 bpm
- **Accuracy**  
±2 bpm or 2% (whichever is greater)
- **Averaging**  
8 beats

#### ALARMS

- **Physiological**  
User-selectable high and low limits, adjustable volume, screen indicators
- **System**  
Adjustable volume
- **Silence**  
Temporary 2 min or indefinite (permanent) LED indicator

#### SERIAL OUTPUT

- Infrared Port compatible with MCP8850B Printer or similar device.
- **Data Format**  
Non-standard format - 500 baud
  - **Options**  
Text only, no graphics. User-selectable patient data log or trend tables.

#### POWER REQUIREMENTS

- **AC Power**  
120 V~, 60 Hz; 230 V~, 50/60 Hz  
100 V~, 60 Hz (optional)
- **Battery Charger**  
MoliEnergy

#### BATTERY LIFE

Li+ (lithium-Ion), 7.4 VDC.  
User replaceable, internal rechargeable. Fully charged continuous life of approximately 6 hours. Maximum full-capacity charging is 2.5 hours.

#### DIMENSIONS

- **Base Unit**  
5.0" H x 4.38" W x 2.9" D  
(12.2 cm H x 11.1 cm W x 7.37 cm D)

#### WEIGHT

22 oz. (0.63 kg)

#### ENVIRONMENTAL

- **Operating Temperature**  
32°F to 122°F (0°C to 50°C)
- **Storage Temperature**  
-40°F to 167°F (-40° to 75°C)
- **Relative Humidity** (non-condensing)  
15-95% (storage)  
10-95% (operating)

#### STANDARDS

EN60601-1 (IEC 60601-1), UL544, EN60601-1-2 (IEC 60601-1-2)

#### REGULATORY COMPLIANCE

ISO 9001/ISO 13485

#### CATALOG NUMBER

- **8400**  
Capnocheck® II Hand-Held Capnograph/Oximeter
- **8401**  
Capnocheck® II Hand-Held Capnograph