

smiths

The Smiths Medical PM, Inc.

ADVANTAGE

- 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
- Genuine BCI® reusable & disposable sensors available

CAPNOCHECK® PLUS CAPNOGRAPH

Economically monitor ETCO₂...
plus SpO₂ and FiO₂.



The **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 and features crisp, clear waveforms with large numerics for easy viewing... making it ideal for your demanding clinical environments. For more information, visit smiths-medical.com.

CAPNOCHECK® PLUS CAPNOGRAPH

SPECIFICATIONS:

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 Waveforms	Selectable CO ₂ or CO ₂ /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 indefinite LED indicator

Flow Rate:

150 ml/min, \pm 20

CO₂:

Measurement	Non-dispersive IR absorption
Measurement 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	\pm 2 mmHg; \pm 0.3%; \pm 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
N ₂ O-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 1bpm

SpO₂ (Optional):

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

Pulse Rate (Optional):

Range	30-250 bpm
Accuracy	\pm 2% at 30-250 bpm
Averaging	8 or 16 seconds, user selectable
Pulse Tone	Pitch corresponds to SpO ₂ 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 Input	115V~, 60 Hz (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 4 hours.

Serial Output:

RS232C	Tabular trends, patient data
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Analog Output:

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

Physical:

Dimensions	3.5" H x 10.0" W x 5.5" D (8.9 cm H x 25.4cm W x 13.9cm D)
Weight	4.8 pounds (2.2 kg)

Environment:

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

Regulatory Compliance:

510(k): K970209
ISO 9001/ISO 13485



Catalog Number:

9004	Capnocheck® Plus Capnograph
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 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, please call Smiths Medical PM, Inc. Patient Monitoring and Ventilation at 262-542-3100 or 800- 558- 2345 or your Smiths Medical distributor

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Smiths Medical PM, Inc.

Patient Monitoring and Ventilation
N7 W22025 Johnson Drive, Waukesha, Wisconsin 53186 USA
Phone: 262-542-3100 Fax: 262-542-0718 Toll-Free: 800-558-2345
www.smiths-medical.com

The product described is covered by U.S. Patent Nos. 5,386,833; 5,437,275
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