

SurgiVet® V9004 Series Capnograph Monitor

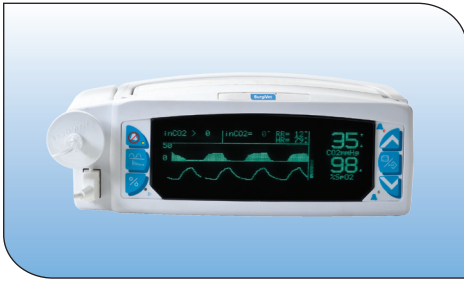


The SurgiVet® V9004 Series Capnograph monitor provides capnography, ETCO_2 , inspired CO_2 , and respiration rate. Integrated sidestream technology ensures that the SurgiVet® V9004 can be used with intubated and non-intubated patients. Its fluorescent display assures easy viewing of waveforms, numeric values and on-screen trending data for demanding veterinary facilities. The compact design and integrated handle make the unit extremely portable. Optional parameters are available including SpO_2 and FiO_2 (fractionally inspired O_2).

For more information, visit www.surgivet.com.

VETERINARY

SurgiVet™



SurgiVet® V9004 Series Capnograph Monitor

- Sidestream technology accommodates intubated and non-intubated patients
- Patented technology reliably measures SpO₂ in demanding veterinary environments
- Breath-by-breath CO₂ detection allows rapid response to patient changes
- Easy-to-read vacuum fluorescent display
- Optional parameter and interface cable connections
- Quiet system minimizes monitor noise

Technical Specifications

DISPLAY & INDICATORS

- **Display**
Vacuum Fluorescent
- **LEDs**
Alarm silence (yellow)
External power (green)
High priority alarm (red)
Medium/low priority alarm (yellow)
- **Waveforms**
CO₂ and optional plethysmogram
- **Graphic Trends**
ETCO₂, inCO₂, Respiration, and optional SpO₂, Pulse Rate, Signal Strength, FiO₂
- **Keys**
On/Off
Wave/Trend
Alarm Silence
Menu/Enter
Up Arrow/Down Arrow

SIDESTREAM CAPNOGRAPHY

- **Measurement**
Non-dispersive IR absorption
- **Measurement Range**
0-10% CO₂, STPD
(Standard Temperature and Pressure, Dry)
- **Units**
mmHg, volume %, kPa (user selectable)
- **Display Range**
0 to 100 mmHg; 0 to 10%; 0 to 13.3 kPa
- **Accuracy**
±2 mmHg; ±0.3%; ±0.3% kPa, or 4% of reading, whichever is greater (0 to 10% CO₂)
- **Averaging**
4 breath average
- **N₂O Compensation**
40% or OFF (default: OFF)
- **System Response Time**
375 ms to 90% of value
(Standard Flow Model)
590 ms to 90% of value
(Low Flow Model)
- **Flow Rate**
150 ml/min, ±20 (Standard flow model)
80 ml/min, ±5 (Low flow model)
- **Calibration**
Manual 2 point

RESPIRATION RATE

- **Range**
0-120 breaths/minute
- **Accuracy**
±1 bpm (0 to 120 bpm for Standard flow, 0 to 72 bpm for Low flow)
- **Averaging**
4 breath average
- **SpO₂ DIGITAL OXIMETRY** (Optional)
- **Range**
0-100% functional SpO₂
- **Accuracy**
±2% @ 70 to 100% SpO₂,
±3 @ 50 to 69% SpO₂
- **Averaging**
4, 8 or 16 beats (default: 8)

PULSE RATE (Optional)

- **Range**
20-350 beats/min
- **Accuracy**
±2% over full range
- **Averaging**
8 or 16 seconds (default: 8)

FI_O₂ (Optional)

- **Range**
0-100% O₂
- **Accuracy**
±2% O₂
- **Response Time**
< 10 seconds to 90%
- **Drift**
< 2% full scale per month

TRENDS

- ETCO₂, inCO₂, Respiration and optional SpO₂, Pulse Rate, Signal Strength, FiO₂
- **Capacity**
4-s sample: > 9 hrs, 12-s sample > 28 hrs

POWER REQUIREMENTS

- **AC Power Options**
105-125 VAC, 60 Hz
90-110 VAC, 50 Hz (optional)
208-252 VAC, 50/60 Hz (optional)
- **Input**
24 VDC, 1.5 A

BATTERY

- Nickel Cadmium
- Internally rechargeable, not user replaceable
- Fully charged continuous operation of 2 hrs
- Maximum charge time 4 hrs

SERIAL OUTPUT

- Tabular trends and real time patient data

ANALOG OUTPUT

- 3 channel internal or 4 channel external, configured for waveforms, parameter values, or calibration signals (0 or 1 V)
- External analog output requires use of catalog #9015 (Analog Output Cable)

DIMENSIONS

3.5" H x 10" W x 5.5" D
(8.9 cm H x 25.4 cm W x 14 cm D)

WEIGHT

2.2 kg (4.8 lbs)

ENVIRONMENTAL

- **Operating Temperature**
0°C to 50°C (32°F to 122°F)
- **Storage Temperature**
-40°C to 70°C (-40°F to 158°F)
- **Relative Humidity** (non-condensing)
15-95% (operating)
10-95% (storage)
- **Atmospheric Pressure**
525 to 760 mmHg
(altitude: 10,000 ft to sea level)

CATALOG NUMBERS

Standard Flow Model

- **V90040** CO₂, Respiration
- **V90041** CO₂, Respiration, SpO₂
- **V90043** CO₂, Respiration, SpO₂, FiO₂

Low Flow Models

- **V90040LF** CO₂, Respiration
- **V90041LF** CO₂, Respiration, SpO₂
- **V90043LF** CO₂, Respiration, SpO₂, FiO₂

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

Please read the Instructions for Use supplied with the product for detailed instructions, warnings and cautions.

Smiths Medical PM, Inc.

Veterinary

N7W22025 Johnson Drive, Waukesha, Wisconsin 53186 USA

Phone: 262-513-8500 Fax: 262-542-0718 Toll-Free USA: 888-745-6562

www.surgivet.com

Smiths Medical, part of the global technology business Smiths Group

Product(s) described may not be licensed or available for sale outside of the United States.

SurgiVet and the Smiths Medical design mark are trademarks of the Smiths Medical family of companies.

The symbol ® indicates the trademark is registered in the U.S. Patent and Trademark Office and certain other countries.

All other names and marks mentioned are the trade names, trademarks or service marks of their respective owners.

© 2009 Smiths Medical family of companies. All rights reserved. V9004 Rev.00 08/09

smiths medical