

SurgiVet® V8401 Hand-Held Capnograph



The SurgiVet® V8401

Hand-Held Capnograph is a highly portable unit delivering capnography, respiration rate, and ETCO₂. Ideally suited for use in small animal veterinary facilities with its compact size and available accessories. Integrated sidestream technology can be used with both intubated and non-intubated patients providing flexibility of use. Its back-lit display assures easy viewing of waveforms, 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.

For more information, visit www.surgivet.com.

VETERINARY

SurgiVet™



SurgiVet® V8401 Hand-Held Capnograph

- Measures end tidal CO₂ and respiration 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

Technical Specifications

DISPLAY & INDICATORS

- **Display**
LCD, with electroluminescent (EL) back light
- **Indicators**
High and medium/low priority alarm, Alarms silenced, and AC power
- **Graphic Trends**
ETCO₂ and respiration rate
- **Waveforms**
CO₂ waveform
- **Numerical Data and Messages**
ETCO₂, respiration rate, and status messages
- **Keys**
On/Off
Wave/Trend
Alarm Silence
Menu/Enter
Up Arrow/Down Arrow

SIDESTREAM CAPNOGRAPHY

- **Measurement**
Non-dispersive IR absorption
- **Measurement Range**
0 to 10% CO₂, STPD (standard temperature and pressure dry)
- **Units**
mmHg, volume % or kPa (user selectable)
- **Display Range**
0 to 100 mmHg; 0-13.3 kPa; 0-10% CO₂
- **Accuracy**
±2 mmHg or 4% (< 50 breaths/min) (whichever is greater)
51-80 breaths/min: +4/-10% of reading
81-150 breaths/min: +4/-20% of reading
- **Averaging**
4-breath average
- **N₂O Compensation**
Selectable 40% (default = OFF)
- **System Response Time**
2.46 s to 90% with 8 ft patient line
- **Flow Rate**
120 ±20 ml/min
- **Calibration**
Manual 2 point

RESPIRATION RATE

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

ALARMS

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

SERIAL OUTPUT

Infrared port compatible with MCP8850B printer or similar device

- **Data Format**
Non-standard format-500 baud
- **Text Output**
User-selectable patient data log or trend tables.

POWER REQUIREMENTS

- **AC Power**
105-125 V~, 60 Hz; 208-252 V~, 50/60 Hz
90-110 V~, 60 Hz (optional)
- **Battery Charger**
MoliEnergy

BATTERY

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

DIMENSIONS

5.0" H x 4.38" W x 2.9" D
(12.7 cm H x 11.1 cm W x 7.4 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% (operation)
10-95% (storage)
- **Atmospheric Pressure**
525 mmHg (10,000 feet above sea level) to 795 mmHg (1250 feet below sea level)

CATALOG NUMBER

- **V8401**

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

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

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Veterinary

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