The SurgiVet® V3404 Series ECG monitor is a cost-effective, multi-parameter monitor that takes pulse oximetry to another level with its integrated handles and compact size. The standard 3 or 5-lead ECG provides optional respiration, temperature and printing capabilities to meet the needs of veterinary clinics.

For more information, visit www.surgivet.com.
### SurgiVet® V3404 Series ECG Monitor

- Patented Serial Autocorrelation (SAC) technology identifies pulse detection artifact for optimal performance in challenging veterinary environments
- Features 3 or 5-lead ECG
- Expanded heart rate range for the veterinary environment
- Bright, dual trace electroluminescent display
- Optional printer provides crisp, high resolution printing
- Optional mounting assemblies enhance system flexibility
- Veterinary specific SpO2 sensors to accommodate a variety of species

### Technical Specifications

#### DISPLAY & INDICATORS
- **Display**
  - Electroluminescent (EL)
- **LEDs**
  - SpO2: 3-digit, Pulse Rate (SpO2), Heart Rate (ECG): 3-digit
- **Icons**
  - Alarms: Silenced, External Power (green), High Priority Alarm (red), Medium/Low Priority Alert (yellow)
- **Numeric** (optional V3404P only)
  - Resolution: 3-digit
  - Temperature: -3-digit °C or 4-digit °F
  - 10 x 14 pixel fonts, each 1 Hz update; display alternates @ 5 s if both active
- **Text**
  - LOW BATTERY (battery life less than 10 minutes), with audio; ASYSTOLE, with ALARM LED [both blinking] and audio; SpO2 SENSOR and ECG/LEAD FAIL, with ALERT LED and audio; SpO2 SEARCH, ARTIFACT, Temp. SENSOR;
  - Patient parameter high and low limit alarms (with blinking digits)
- **Waveforms**
  - ECG and/or Plethysmogram;
  - (12.5, 25 or 50 mm/s)
- **Graphic Trends**
  - SpO2, pulse rate (heart rate), pulse signal strength and (optional) respiration
- **Keys**
  - On/Off, Alarm Silence, Wave/Trend, Menu/Enter, Up Arrow, Down Arrow-menu navigation and selection; alarm limit and audio volume adjustment

#### SpO2 DIGITAL OXIMETRY
- **Range**
  - 50 to 100% SpO2 (functional, 1% increments)
- **Accuracy**
  - ±2% at 70 to 100% SpO2
  - ±3% at 50 to 69% SpO2
- **Averaging**
  - 2 or 8 or 16 pulse beats (selectable)
- **Calibration**
  - Factory calibrated; no in-service calibration required
- **Alarm Ranges**
  - Low: 50 to 100% (1% increments), and OFF
  - High: 50 to 100% (1% increments), and OFF
  - Minimum signal: 10 mV (air volume passing thermistor)
- **Temperature**
  - Low: 5 to 150 BPM (1 BPM increments) and OFF
  - High: 5 to 150 BPM (1 BPM increments) and OFF
  - Minimum Signal: 10 mV (air volume passing thermistor)

#### SERIAL (PRINTER/REMOTE ALARM) & ANALOG OUTPUTS
- **Serial port** (DB-9) compatible with 3408 Printer
- **Data log** at selectable intervals: 5, 15, 30, 45, 60 secs, 5, 10, 15, 30, 60 min
  - [SpO2, HR/PR, Pulse strength, Resp, Temp]
- **Trend** at selectable intervals: 30 secs, 1, 5, 10, 15, 30, 60 min
  - Waveform (ECG or pleth @ 50, 25 or 12.5 mm/s)
  - Analog output channels (2), configurable for waveforms, parameter values, or calibration option
- **Audio Output**
  - Pulse beep, Alarms
  - 15 levels < 85 dBA, and off (pulse beep) or silenced (alarms)

#### POWER REQUIREMENTS
- **AC Power options**
  - 12 VDC, 1 A output, with 4 kV isolation
- **Wall Mount**
  - 105-125 V, 60 Hz, 90-110 V, 50 Hz
- **Tabletop**
  - 208-264 V, 50/60 Hz

#### BATTERY
- Sealed lead-acid, internally rechargeable
- Fully-charged continuous operation life of 1 to 50 minutes
- Maximum charging time of 6 hrs

#### DIMENSIONS
- 3.5” H x 10” W x 5.5” D
  - 8.89 cm H x 25.4 cm W x 14 cm D
- *Handle folded down*

#### WEIGHT
- 5 lbs. (2.27 kg)

#### ENVIRONMENTAL
- **Operating Temperature**
  - 32°F to 140°F (0°C to 60°C)
- **Storage Temperature**
  - 40°F to 167°F (−40°C to 75°C)
- **Relative Humidity**
  - 15% to 95% (non-condensing)
- **V3404** ECG, SpO2, temperature, and respiration

### Catalog Numbers
- V3404 ECG and SpO2
- V3404P ECG, SpO2, temperature, and respiration

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**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
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