

# Model 9847V

## *Pulse Oximeter and CO<sub>2</sub> Detector*



## Portable and Cost-Effective Veterinary Monitoring

Ideal for surgery or dental procedures on intubated animals, the unique 9847V combines semi-quantitative end-tidal carbon dioxide detection with digital pulse oximetry in one portable handheld monitor for maximum functionality. This vital tool is used to aid and verify endotracheal tube placement throughout the intubation period. During the procedure, an audible breath tone is present. Additionally, the 9847V provides accurate blood oxygen saturation, pulse rate data, and a visual respiration indicator. Truly versatile, the 9847V allows simultaneous or independent use of the EtCO<sub>2</sub> detector and pulse oximeter.

# Model 9847V

## Product Highlights

- Easy-to-Use – Bright LED displays and intuitive icons
- “First Breath” Active – No warm-up required
- Cost-Effective – No calibration needed and long battery life
- Breath Tone – Audible indication of detected breath
- Indication of Pulse Quality – Tri-color perfusion indicator
- Veterinary Specific – Hardware and software



## A cost-effective veterinary procedure monitor with rugged and reliable design

- Semi-quantitative technology with mainstream technology
- No warm-up time or calibration required
- Superior pulse rate range of 18-450 for maximum applications
- Programmable and adjustable audible alarm functions and breath tone
- Superior 3-year warranty and rugged construction
- Memory for up to 24 hours of data storage

### Features

- Breath tone
- Adjustable volume
- Variable pitch – CO<sub>2</sub>
- Portable, compact size

### Alarm Functions

- Audible mute
- Audible disable
- SpO<sub>2</sub> high/low
- Pulse rate high/low

## Select Your Options



**2000SL** – Clip-on sensor for tongue applications, paw pads, and well-vascularized areas.



**2000T** – For placement on the underside base of the tail or other well-vascularized surfaces.



**2000SA** – Wrap sensor for placement on the toe (large animal) or base of the tail (small animal).



**Airway adapter tube** – Connect in-line for continuation of ventilation.

## Specifications

<b>Dimensions</b> .....	8.0 cm (3.15") W x 15.0 cm (5.91") H x 2.0 cm (.79") D
<b>Weight</b> .....	310 grams (11 oz.) with batteries
<b>Memory</b> .....	24 hours (SpO <sub>2</sub> , pulse rate, breath interval)
<b>Warranty</b> .....	1 year
<b>Oxygen Saturation Range (%SpO<sub>2</sub>)</b> .....	0 – 100%
<b>Pulse Rate Range</b> .....	18 – 450 pulses per minute
<b>CO<sub>2</sub> Range</b> .....	0 to >75 mmHg
<b>CO<sub>2</sub> Response Time</b> .....	250ms
<b>Respiration Rate Range</b> .....	1 – 60 breaths/minute
<b>Breath Detection Threshold</b> .....	5 mmHg
<b>Measurement Wavelengths</b>	
Red .....	660 nanometers @ 1.2 mw
Infrared .....	910 nanometers @ .8 mw
<b>Displays</b>	
Numeric Displays .....	Two 3-digit 7-segment LEDs (light-emitting diodes)
Pulse Quality .....	Tricolor LED segments
CO <sub>2</sub> .....	8-segment LED bar graph
<b>Accuracy</b>	
Blood Oxygen Saturation (%SpO <sub>2</sub> ±1 SD) .....	70 – 100% ± 3 digits for the Model 2000SL, 2000SA, and 2000T sensors; below 70% is not specified for all sensors
Pulse Rate .....	±3% ±1 digit
<b>Temperature</b>	
Operating (pulse oximeter) .....	-20° to +50°C (-4° to +122°F)
Operating (CO <sub>2</sub> detector) .....	0° to +50°C (+32° to +122°F)
Storage .....	-30° to +50°C (-22° to +122°F)
<b>Humidity</b>	
Operating .....	10 – 95% noncondensing
Storage .....	10 – 95% noncondensing
<b>Power Requirements</b> .....	6AA alkaline batteries
<b>Battery Life</b>	
Operating .....	90 hours typical operation (pulse oximeter alone), 20 hours typical operation (CO <sub>2</sub> detector and pulse oximeter)

### Classifications per IEC 60601-1/UL60601-1

Type of Protection .....	Internally powered (battery)
Degree of Protection .....	Type BF-Applied Part
Mode of Operation .....	Continuous

± A<sub>ms</sub> encompasses approximately 68% of the population.  
 Quality Systems are registered to ISO 13485.

Specifications are subject to change without notice.



Authorized Distributor:

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