

9840 Series

Pulse Oximeter and CO₂ Detector



9847
Pulse Oximeter and
CO₂ Detector with Full-Alarm

Instant Confirmation of Tube Placement and Airway Management

The versatile 9840 Series multi-function handheld allows simultaneous or independent use of SpO₂ and CO₂ detection. This vital tool verifies endotracheal tube placement throughout the intubation period and provides accurate blood oxygen saturation and pulse rate values. As a truly durable and portable pocket-size handheld monitor, it will hold up in the most demanding environments and provide 24 hours of data storage when documentation is needed.

9840 Series

Product Highlights

- **Easy to Use** – Minimum training required; no calibration needed
- **“First Breath” Active** – No warm-up required
- **Cost-Effective** – Long battery life (90 hours continuous SpO₂, 20 hours simultaneous SpO₂/CO₂)
- **Breath Beep** – Audible indication of detected breath
- **Indication of Pulse Quality** – Tricolor perfusion indicator
- **Durable** – Rugged construction to withstand daily use



9843
Non-Alarm

Be confident the 9840 Series will live up to its rugged and reliable reputation.



- Semi-quantitative technology with mainstream sampling
- No warm-up time or calibration required—critical when seconds count
- PureSAT® SpO₂ artifact-free technology provides accuracy you can trust in the most challenging conditions, such as motion and low perfusion

- Superior 3-year warranty
- Memory for up to 24 hours of data storage

Select Your Options

- Available in non-alarm (9843) and audible alarm (9847) versions
- nVision® Data Management Software – Windows®-based software provides seamless transfer of stored data for further analysis, report generation and storage
- Serial and USB adapter cables for transfer of data to computer

Accessories

- Custom Carrying Case – *Maximizes portability*
- Rubber Bumper – *Provides additional protection*
- Mounting Bracket – *For wall- or pole-mount applications*
- Sensors and Extension Cables – *Full range of sensors (neonatal through adult) and cables available for a variety of placement sites*
- PC Interface Cable – *Download data*



Specifications

Dimensions	7.62 cm (3") W x 15.24 cm (6") H x 2.54 cm (1") D
Weight	310 grams (11 oz.) (with batteries)
Warranty	3 years
Memory	24 hours (SpO ₂ ,PR)
Oxygen Saturation Display Range	0 – 100% SpO ₂
Pulse Rate Display Range	18 – 321 beats per minute
CO₂ Range	0 to >75 mmHg
Respiration Rate Range	1 – 60 breaths per minute
Breath Detection Threshold	5 mmHg
Accuracy	
Blood Oxygen Saturation (A _{ms} *).....	70 –100% ± 2 digits for adults using Finger Clip sensor**
Pulse Rate.....	±3 digits
Measurement Wavelengths	
Red.....	660 nanometers @ 0.8 mW
Infrared.....	910 nanometers @ 1.2 mW
Indicators	
Pulse Quality.....	Tricolor LED segments
Numeric Displays.....	Two 3-digit 7-segment LEDs
CO ₂	8-segment LED bar graph
Temperature (Operating)	
Pulse Oximeter.....	-20° to +50°C (-4° to +122°F)
CO ₂ Detector.....	0° to +50°C (+32° to +122°F)
Temperature (Storage)	-30° to +50°C (-22° to +122°F)
Humidity	
Operating.....	10 – 95% noncondensing
Storage.....	10 – 95% noncondensing
Power Requirements	6AA alkaline batteries
Battery Life (Operating)	90 hours typical operation (pulse oximeter alone); 20 hours typical operation (pulse oximeter and CO ₂ detector)

Classifications per IEC 60601-1 / CSA 601.1/ UL 60601-1:

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

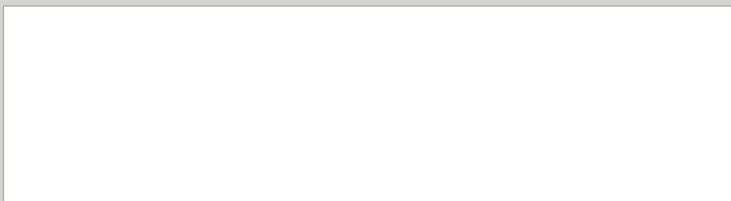
*±1 A_{ms} encompasses approximately 68% of the population.

**All accuracy specifications are results determined by induced hypoxia studies on healthy adult volunteers.

Quality Systems are registered to ISO 13485.

Specifications are subject to change without notice.

Authorized Distributor:



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