



# 9840 Series

## CO<sub>2</sub> Detector/ Digital Pulse Oximeter

### Instant Confirmation of Tube Placement

**Helping you comply with AHA Guidelines,**

the 9840 Series combines end-tidal CO<sub>2</sub> detection with pulse oximetry into one handheld monitor.

This vital tool is useful to aid and verify endotracheal tube placement throughout the intubation period, and provides accurate blood oxygen saturation and pulse rate data.



### Product Highlights

- ✓ Easy-to-Use - *Minimum training required*
- ✓ “First Breath” Active - *No warm-up required*
- ✓ Cost Effective - *No calibration needed/long battery life*
- ✓ Breath Beep - *Audible indication of detected breath*
- ✓ Indication of Pulse Quality - *Tricolor perfusion indicator*
- ✓ Durable - *Rugged construction to withstand daily use*
- ✓ Compact Size - *Easily portable; requires little space for storage*

Providing maximum versatility, the 9840 Series allows simultaneous or independent use of the CO<sub>2</sub> detector and pulse oximeter.

✓ *Where People Make the Difference*

## Pure Functionality

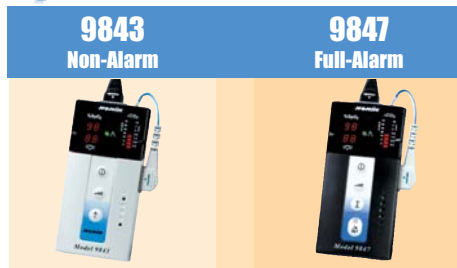
The powerful 9840 family of products provides “first breath” activation by eliminating any warm-up time – simply turn on the power and start taking measurements. NONIN’s patented semi-quantitative CO<sub>2</sub> technology, combined with mainstream sampling, eliminates the need for calibration, thus reducing operating expenses.

The sensor includes a fully patented airway adapter tube with a low 6 cc dead space and anti-fog coating for superior performance. The single-use airway adapter tube eliminates cross-contamination and is compatible with pediatric through adult endotracheal tubes. An easy-to-interpret and highly visible LED bar graph is standard on all models.



Combined with NONIN’s powerful PureSAT® signal processing technology, the 9840 Series delivers the outstanding performance you need to get the job done in a demanding environment.

## Select Your Options



### Features

	9843 Non-Alarm	9847 Full-Alarm
Breath Beep	✓	✓
Adjustable Volume	✓	✓
Variable Pitch - CO <sub>2</sub>		✓
Alarm Functions		
Audible Mute		✓
Audible Disable		✓
Apnea		✓
SpO <sub>2</sub> High/Low		✓
Pulse Rate High/Low		✓

### Accessories:



- ✓ Custom Carrying Case - Maximizes portability
- ✓ Rubber Bumper - Provides additional protection
- ✓ Mounting Bracket - For wall or pole mount applications
- ✓ Sensors - Full range of PureLight® sensors - neonatal through adult

Please contact your authorized distributor for more information.

## Specifications

### Oximeter

Oxygen Saturation Range (%SpO <sub>2</sub> )	0% to 100%
Pulse Rate Range	18 to 300 pulses per minute
CO <sub>2</sub> Range	0 to >75 mmHg
Respiration Rate Range	1 to 60 breaths/minute
Breath Detection Threshold	5 mm Hg
Measurement Wavelengths	660 nanometers@ 3 mW nominal 910 nanometers @ 3 mW nominal
Displays	Two 3-digit 7-segment LEDs (light emitting diodes) Tricolor LED segments 8 segment LED bar graph
Accuracy	Blood Oxygen Saturation (%SpO <sub>2</sub> A <sub>rms</sub> ) <sup>*</sup> Pulse Rate
	70 - 100% ± 2 digits for adults using Finger Clip sensor ±3% ±1 digit
Temperature	Operating (pulse oximeter) Operating (CO <sub>2</sub> detector) Storage
	-4° to +122°F (-20° to +50°C) +32° to +122°F (0° to +50°C) -22° to +122°F (-30° to +50°C)
Humidity	Operating Storage
	15% to 90% noncondensing 10% to 95% noncondensing
Power Requirements	6AA alkaline batteries
Battery Life	Operating
	90 hours typical operation (pulse oximeter alone) 20 hours typical operation (CO <sub>2</sub> detector and pulse oximeter)
Dimensions	3 x 6 x 1 in. (8 x 15 x 2 cm)
Weight	11 oz. with batteries (310 g)
Memory	18 hours (SpO <sub>2</sub> , PR)
Warranty	3 years

### Classifications per IEC 60601-1/UL2601-1

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

\* A<sub>rms</sub> encompasses 68% of the population.

Quality Systems are registered to ISO 13485:2003 and EC certificates per Annex II, clause 3 of EC Directive No. 93/42/EEC concerning medical devices.



Specifications are subject to change without notice.

## Your Partner of Choice



With over 20 years of experience and dedication to the design and support of noninvasive monitoring devices, NONIN has helped many medical professionals meet clinical and economic objectives. Trusted by clinicians worldwide, countless tests are performed every day on thousands of NONIN pulse oximeters in more than 125 countries. NONIN's dedication to technological leadership, precision manufacturing and uncompromised customer support ensures quality products and service you expect.



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