



Model 8500 Specifications

Oxygen Saturation Display Range: 0% to 100% SpO₂

Pulse Rate Display Range: 18 to 321 beats per minute (BPM)

Accuracy – Sensors: Declared accuracy data for compatible sensors can be found in Nonin's Sensor Accuracy document.

Measurement Wavelengths and Output Power:**

Red: 660 nanometers @ 0.8 mW maximum average

Infrared: 910 nanometers @ 1.2 mW maximum average

Indicators:

Pulse Quality Indicator: LED, tricolor

Numeric Displays: 3-digit, 7-segment LEDs, red

Temperature:

Operating: -20 to +40 °C (-4 to +104 °F)

Storage/Transportation: -40 to +70 °C (-40 to +158 °F)

Humidity:

Operating: 10% to 90% non-condensing

Storage/Transportation: 10% to 95% non-condensing

Altitude:

Operating: Up to 4,000 meters (13,123 feet)

Hyperbaric Pressure: Up to 4 atmospheres

Power Requirements:

Six 1.5V AA-size alkaline batteries.

100 hours maximum display brightness.

160 hours with normal display brightness.

Dimensions: 8 cm W x 15 cm H x 2.5 cm D (3 in W x 6 in H x 1 in D)

Weight: 280 g (10 oz) (with alkaline batteries)

Classifications per IEC 60601-1 / CAN/CSA-C22.2 No. 601.1 / UL60601-1:

Type of Protection: Internally powered (on battery power)

Degree of Protection: Type BF-Applied Part

Mode of Operation: Continuous

Enclosure Degree of Ingress Protection: IP33

This device is not made with natural rubber latex.

** This information is especially useful for clinicians performing photodynamic therapy.



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