



WristOx₂[®] Model 3150 with USB Specifications

Oxygen Saturation Display Range: 0% to 100% SpO₂

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

Displays:

Numeric: 3-digit LCD

Pulse Strength: Pulse Strength Bar Graph

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

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

Temperature:

Operating: -5 °C to 40 °C (23 °F to 104 °F)

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

Time (from storage) for monitor to be ready for its intended use: 10 minutes to warm from -40 °C to -5 °C

10 minutes to cool from 70 °C to 40 °C

Device temperature will not exceed 41°C as measured during a controlled environment test.

Humidity:

Operating: 10% to 95% non-condensing

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

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

Operating Hyperbaric Pressure: Up to 4 atmospheres

Power Requirements: Two AAA (1.5V) batteries

Battery Life (expected minimum):

NOTE: Based on testing new and fully-charged batteries. See footnotes for brands used. Refer to battery manufacturers' operator's manuals for instructions for use.

	Alkaline AAA ^a	Rechargeable AAA (700 mAh) ^b	Rechargeable AAA (1050 mAh) ^c
Storage: MVI Display Mode off:	9 months	Not specified	Not specified
MVI Display Mode on:	25 days		
Operating without Bluetooth Connection, continuous use:	53 hours	36 hours	52 hours
Operating with Bluetooth Connection, continuous use:	44 hours	24 hours	31 hours

Dimensions (without sensor or wristband): 51 mm x 73 mm x 19 mm (H x W x D)
(2.0 in. x 2.9 in. x 0.75 in.)

Weight (with batteries and wristband): 70.0 g (2.5 oz)

Memory:

Type: Non-volatile

Capacity:

up to 1,080 hours (4 sec. data storage rate)

up to 540 hours (2 sec. data storage rate)

up to 270 hours (1 sec. data storage rate)

Classification per ANSI/AAMI ES60601-1 and CAN/CSA-C22.2 No. 60601-1:

Type of Protection: Internally powered (battery power)

Degree of Protection: Type BF-Applied Part

Mode of Operation: Continuous

Enclosure Degree of Ingress Protection: IP33

This product complies with ISO 10993-1, Biological evaluation of medical devices – Part 1: Evaluation and testing.

a. Batteries used: Harding Alkaline AAA

b. Batteries used: Energizer (MR03) Ni-MH 700mAh Rechargeable Batteries 1.2 VDC

c. Batteries used: Ansmann (HR03) Ni-MH 1050 nMh Rechargeable Batteries 1.2 VDC



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Nonin Medical, Inc.

13700 1st Avenue North
Plymouth, MN • 55441-5443 •
U.S.A.

Tel: +1.763.553.9968

1.800.356.8874

Fax: +1.763.577.5521

E-mail: info@nonin.com

Nonin Medical B.V.

Doctor Paul Janssenweg 150
5026 RH Tilburg • Netherlands

Tel: +31 (0)13-79 99 040

Fax: +31 (0)13-79 99 042

E-mail: infointl@nonin.com