



Overnight success story

WristOx₂ is ideal for oximetry studies

PHILIPS

RESPIRONICS

sense and simplicity

Late-night studies keeping you awake?

WristOx₂ is a wrist-worn pulse oximeter that has been developed to deliver highly accurate readings and help reduce the difficulties that can be associated with overnight oximetry studies.

Key design features to WristOx₂ include an enhanced memory, the use of standard batteries, the addition of wireless data transfer, and more.

WristOx₂ also has enhancements that are intended to make overnight studies easier for your patients. The Soft Sensor helps increase patient comfort that can lead to greater compliance.



These features are meant to save you time and money, and to make WristOx₂ an ideal choice for testing a wide range of patient populations in a variety of settings.

WristOx₂ key features

Enhanced memory

Includes 1,080 hours of nonvolatile memory (four-second sampling rate with ability to sample at faster rates of one or two seconds). The improved memory allows you to conduct multiple patient studies before needing to download data.

Longer battery life

Uses two standard AAA batteries that provide up to 48 hours of continuous use.

Bluetooth enabled

Data transfer via wireless technology makes WristOx₂ convenient to use in multiple settings.

Soft Sensor

The easy-to-use Soft Sensor is included for use with the WristOx₂ model 3150.



At 2.5 ounces (71 grams), WristOx₂ is small, lightweight, and fits conveniently like a wristwatch.

Rest easy

WristOx₂ monitors blood-oxygen saturation (SpO₂) levels and pulse rate in patients undergoing monitoring to screen for long-term oxygen therapy needs.

With its many features, the Model 3150 can be used to conduct overnight studies, remote wireless monitoring, and ambulatory monitoring.



For overnight oximetry studies, WristOx₂ is easy to assemble and use. The patient simply installs two standard AAA batteries, attaches

the wrist strap, inserts the sensor, and places on fingertip. WristOx₂ automatically turns on upon finger insertion.

Specifications	
Dimensions (without sensor or strap)	2.2" wide x 2.91" high x .79" thick (56 mm x 74 mm x 20 mm)
Weight (with batteries and wrist strap)	2.5 oz. (71 g)
Oxygen saturation range (% SpO ₂)	0 to 100%
Pulse rate range	18 to 300 pulses per minute
Displays	
Numeric displays	3-digit indicators
Pulse indicators	pulse strength bar graph
Accuracy	
Blood oxygen saturation (%SpO ₂ ±1 A _{rms})*	70 to 100% ±2 digits**
Pulse rate	±3%
Temperature	
Operating	+23° to +104°F (-5° to +40°C)
Storage/transportation	-40° to +158°F (-40° to +70°C)
Humidity	
Operating	10 to 95% noncondensing
Storage/transportation	10 to 95% noncondensing
Altitude	
Operating altitude	Up to 40,000' (12,192 m)
Hyperbaric pressure	Up to 4 atmospheres
Power requirements	Two 1.5V alkaline AAA batteries
Battery life	
Operating without Bluetooth	48 hours minimum
Operating with Bluetooth***	24 hours minimum
Storage	9 months
Memory	
Type	Nonvolatile
Capacity	Up to 1,080 hours at 4 seconds data storage rate Up to 540 hours at 2 seconds data storage rate Up to 270 hours at 1 second data storage rate
Warranty	WristOx ₂ carries a three-year warranty while the Soft Sensor is covered for two years

* ±A_{rms} encompasses approximately 68% of the population

** Refer to the operator's manual for additional accuracy specifications

*** Based on class 2 operation for 23 hours and class 1 operation for 1 hour in a 24-hour period

Part	Description
1078606	WristOx ₂ 3150, pulse oximeter with standard accessories (reusable Soft Sensor, wrist bands, batteries, CD)
1078747	Medium Soft Sensor, 8 pin (12"/0.3 m)
1078749	Adult flex sensor, 8 pin (12"/0.3 m)
1079107	Adult finger clip sensor, 8 pin (12"/0.3 m)
1084509	Sensor adapter, WristOx ₂ 3150 (8 to 9 pin)
1078748	Sensor adapter, WristOx 3100 (9 to 8 pin)
1078750	USB PC download cable for WristOx ₂
1079118	Wrist band, reusable (10")
1079117	Manual, WristOx ₂ (CD with manual and USB driver)
1091489	WristOx ₂ wrist band (6")
1091490	WristOx ₂ wrist band (8")



NONIN

97 %SpO₂

66

Wrist Ox₂

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