



Right. When you need it.™

Specifications

7500/7500FO Oximeter

Oxygen Saturation Display Range:	0–100% SpO ₂	
Pulse Rate Range:	18–321 BPM	
Displays:	Pulse Strength: LED, Bar graph, tri-color segments Alarm Indicator: LED, bi-color Alarm Silenced: LED, amber Numeric Displays: 3-digit, 7-segment LEDs, green Low Battery: LED, amber	
Saturation Accuracy (A_{rms})^a:	70–100%	
NO MOTION	Adults/Pediatrics	Neonates
Reusable: Finger Clip	± 2 digits	± 3 digits
Disposable: 6000 Series	± 2 digits	± 3 digits
MOTION		
Reusable: Finger Clip	± 2 digits	NA
Pulse Rate Accuracy:	18–300 BPM (no motion) 40–240 BPM (motion) 40–240 BPM (low perfusion)	
NO MOTION	Adults/Pediatrics	Neonates
Reusable: Finger Clip	± 3 digits	± 3 digits
Disposable: 6000 Series	± 3 digits	± 3 digits
MOTION		
Reusable: Finger Clip	± 5 digits	± 5 digits
LOW PERFUSION		
Reusable: Finger Clip	± 3 digits	± 3 digits
Disposable: 6000 Series	± 3 digits	± 3 digits
Memory:	70 hours (assuming continuous operation)	
Temperature (Operating):	0° to +40°C (32°F to 104°F)	
Temperature (Storage/Transportation)	-30° C to +50°C (-2°F to 122°F)	
Humidity (Operating):	10–90% noncondensing	
Humidity (Storage/Transportation):	10–95% noncondensing	

Altitude (Operating):	Up to 12,000 meters (40,000 feet)
Hyperbaric Pressure:	Up to 4 atmospheres
Power Requirements (Mains):	100–240 VAC 50–60 Hz
Internal Power:	
Battery:	7.2 volt NiMH battery pack
Operating Life (fully charged battery):	16 hours minimum
Storage Life:	21 days minimum
Recharge Rate:	4 hours maximum
Dimensions:	Approximately 219 mm (8.6") W x 92 mm (3.6") H x 142 mm (5.6") D
Weight:	Approximately 900 grams (2 lbs) with battery
Warranty:	3 years

Classification per IEC 60601-1/CSA601.1/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: IPX2

Analog Outputs:

SpO ₂ Output Range:	0-1 VDC (0–100% SpO ₂), 1.27 VDC (out of track)
Pulse Rate Output Range:	0-1 VDC (0–300 BPM), 1.27 VDC (out of track)
Event Marker:	0 V (no event), 1 V (event occurred)
Accuracy:	± 2% (SpO ₂), ± 5% (Pulse Rate)
Load Current:	2 mA maximum

^a ± 1 A_{rms} represents approximately 68% of measurements

Specifications are subject to change without notice.

