



Specifications

Oxygen Saturation Display Ranges:	
	rSO ₂ : 0 to 100%
	SpO ₂ : 0 to 100%
Pulse Rate Display Range:	18 to 300 beats per minute (BPM)
Sensor Accuracy:	For declared accuracy data for compatible sensors, refer to the sensor Instructions for Use (IFU). Sensor IFUs are included on the operator's manual CD.
Measurement Wavelengths and Output Power^a:	Refer to sensor IFU for details. Sensor IFUs are included on the operator's manual CD.
Alarm Volume (at 1 m):	15: 75 dBA 8: 61 dBA
Informational Tone Volume (at 1 m):	67 dBA
Memory:	840 hours (operating with 2 channels) 420 hours (operating with 4 channels) 280 hours (operating with 6 channels)
Temperature (X-100M, X-100SP, X-100H):	
	Operating: -5 °C to 40 °C (23 °F to 104 °F)
	Low Exposure -5 °C (23 °F)
	Storage/Transportation: -30 °C to 70 °C (-22 °F to 158 °F)
Humidity (X-100M, X-100SP, X-100H):	
	Operating: 10% to 93% noncondensing
	Storage/Transportation: Up to 93% noncondensing
Altitude (X-100M, X-100SP, X-100H):	
	Operating: Up to 4,000 meters (13,124 feet)
Power Requirements (Mains):	100–240 VAC 50–60 Hz
Internal Power:	
	Battery: 7.2 volt Li-ion battery pack, 2.4 Ah when charged
	Operating Life (fully charged battery): 1 hour minimum (with four connected signal processors and sensors and a screen that is at the default brightness)
	Storage Life: 20 days minimum
	Recharge Time to 90% Capacity: 2.5 hours maximum

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

Dimensions:	
X-100M:	305 mm W x 180 mm H x 130 mm D (12.0 in. W x 7.2 in. H x 5.0 in. D)
X-100H:	105 mm W x 66 mm H x 22 mm D with 4.0 m cable (4.14 in. W x 2.6 in. H x 0.86 in. D with 13.1 ft cable)
X-100SP:	21.4 mm H x 21.7 mm W x 72.7 mm L (including strain relief) with 0.75 m cable (0.84 in. H x 0.85 in. W x 3.1 in. L (including strain relief) with 2.5 ft cable)
Weight:	
X-100M:	Approximately 900 grams (2 pounds)
X-100H:	243 grams (8.6 ounces)
X-100SP:	40 grams (1.4 ounces)
Warranty:	3 years
Classification per IEC 60601-1 / CAN/CSA-C22.2 No. 601.1 / UL60601-1:	
Type of Protection:	Internally powered (on battery power). Class II with AC adapter.
Degree of Protection:	Type BF-Applied Part
Mode of Operation:	Continuous
Enclosure Degree of Ingress Protection:	
X-100M, X-100H, X-100SP: IP32	

Transmitter

Bluetooth Compliance:	Version 2.0
Operating Frequency:	2.4 to 2.4835 GHz
Output Power:	< 20 dBm
Operating Range:	100-meter (328-feet) radius indoors (line of sight when connected to a class I device)
Network Topology:	Star
Operation:	Bluetooth Slave
Antenna Type:	Internal
Modulation Type:	Gaussian Frequency Shift Keying
Band Width:	1 MHz