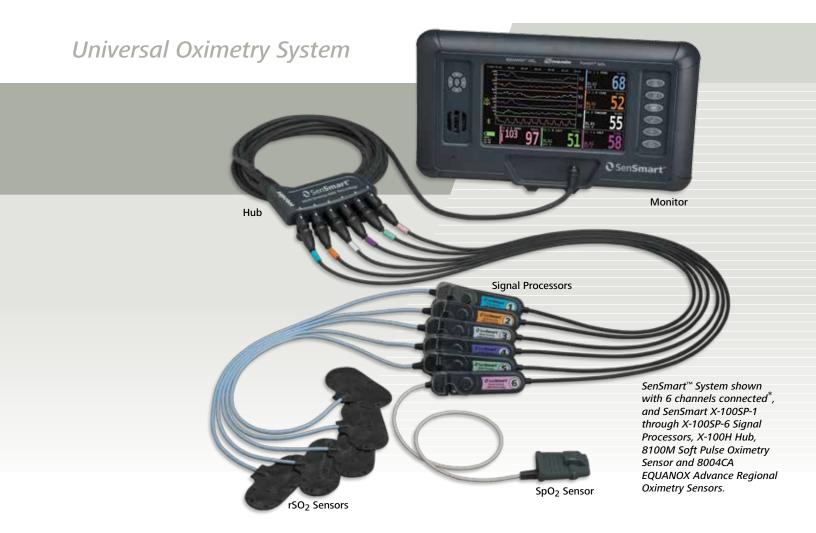


SenSmart[™] Model X-100



The first oximetry system to put regional oximetry, pulse oximetry and ease of use at your fingertips.

An innovative design that pairs simple with smart, Nonin Medical's **SenSmart Model X-100 Universal Oximetry System** is the first system to deliver both pulse and regional oximetry measurements today, and is designed to accommodate many more parameters in the future. The SenSmart System provides a side-by-side view of rSO₂, SpO₂, and pulse rate values for real-time decision making. You now have the opportunity to explore what a gradient between rSO₂ and SpO₂ might tell you.



^{*}Contact Nonin for availability.

SenSmart[™] Model X-100

Universal Oximetry System

Product Highlights

- Highly Accurate The SenSmart System's EQUANOX Advance 8004CA rSO₂ Sensor provides clinicians with state-of-the-art accuracy. Nonin's reusable SpO₂ Soft Sensors provide fast, accurate and reliable readings even in patients with low perfusion or in the presence of motion.
- **Versatile** The ability to use any combination of Nonin SenSmart-compatible rSO₂ sensors and/or SpO₂ sensors to monitor up to six sites on a patient.
- Easy to Use The smaller, lighter and less-intrusive SenSmart Universal Signal Processors automatically recognize and display all of your oximetry values on the SenSmart Monitor.
- **Convenient** The portable, easy-to-operate SenSmart Monitor offers Bluetooth wireless connectivity and comes with case download software.



The SenSmart[™] Download Software enables the easy transfer of a patient file as a PDF or CSV file.



SenSmart™ Model X-100 System Components **Description Part Number**

SenSmart Standard System Configuration	
System Configuration with US power plug	X-100-01
System Configuration with UK power plug	X-100-02
System Configuration with EU power plug System Configuration with AU power plug	X-100-03 X-100-04
SenSmart X-100M Monitor †	8366-001
SenSmart X-100SP-1 Signal Processor Channel 1 [†]	8650-001
SenSmart X-100SP-2 Signal Processor Channel 2 [†]	8650-002
SenSmart X-100SP-3 Signal Processor Channel 3	8650-003
SenSmart X-100SP-4 Signal Processor Channel 4	8650-004
SenSmart X-100SP-5 Signal Processor Channel 5	8650-005
SenSmart X-100SP-6 Signal Processor Channel 6	8650-006
SenSmart X-100H Hub [†]	8646-001
SenSmart X-100HH Hub Holster [†]	8662-001
SenSmart X-100EC-1 Extension Cable (1 m) [†]	8445-001
SenSmart X-100EC-2 Extension Cable (2 m) [†]	8445-002
SenSmart 8100SS Soft Pulse Oximetry Sensor (small)	8703-001
SenSmart 8100SM Soft Pulse Oximetry Sensor (medium)	8705-001
SenSmart 8100SL Soft Pulse Oximetry Sensor (large)	8534-001
SenSmart 8004CA EQUANOX Advance Adult/Pediatric Regional Oximetry Sensor (absolute) (20 pack)	8974-001
SenSmart 8003CA EQUANOX Classic Plus Adult/Pediatric Regional Oximetry Sensor (trending) (20 pack)	9206-001
SenSmart 8004CB EQUANOX Advance Neonatal/Pediatric Regional Oximetry Sensor (adhesive) (20 pack)	9211-001
SenSmart 8004CB-NA EQUANOX Advance Neonatal/Pediatric Regional Oximetry Sensor (non-adhesive) (20 pack)	9216-001
SenSmart X-100CC Carrying Case	8664-001
SenSmart X-100 Pole Mount Clamp	5924-000



Specifications

Oxygen Saturation Display Ranges: rSO₂: 0 to 100%, SpO₂: 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. Memory:

840 hours (operating with 2 channels)

420 hours (operating with 4 channels)

280 hours (operating with 6 channels)

Temperature: Operating: 0 °C to 40 °C (32 °F to 104 °F) Storage/Transportation: -30 °C to 70 °C (-22 °F to 158 °F)

Humidity: Operating: 15% to 93% noncondensing,

Storage/Transportation: Up to 93% noncondensing Altitude: Operating: 0 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 and screen at default brightness):

3 hours minimum (operating with 2 channels)

1 hour minimum (operating with 6 channels)

Charged Storage Life: 20 days minimum Recharge Time to 90% Capacity: 2.5 hours maximum

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: X-100M, X-100SP, X-100H, X-100HH, X-100EC: 3 years; X-100M Battery Pack: 1 year

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: X-100SP: Defibrillation Proof Type BF Applied Part

X-100M: Type BF Applied Part

Mode of Operation: Continuous

Enclosure Degree of Ingress Protection: X-100M, X-100H, X-100SP: IP32 Modulation Type: Gaussian

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

Plymouth, MN • 55441-5443 • U.S.A. Tel: +1.763.553.9968 +1.800.356.8874 Bluetooth Profiles Supported: Serial Port Profile (SPP) Security Mode: Mode 2 (service level enforced security)

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

E-mail: infointl@nonin.com

Bandwidth: 1 MHz

Authentication and Encryption: Enforced on all data channels (outgoing and incoming)

Encryption Key Size: Up to 128 bits

Frequency Shift Keying

Specifications are subject to change without notice.



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†Indicates component is included in the Standard System Configuration.