



Connex® Spot Monitor

Item Description: Monitor, Vitals Signs

Model Number: 7100 / 7300 / 7400 / 7500

Installation: _____

Proposal Number: _____

Facility: _____

City, State _____

Estimated Delivery: _____

Delivery Cost: _____

Taxes: _____

Product Features

Simple color touchscreen interface

Spot check & timed intervals monitoring

For use on Adult, pediatric and neonatal patients

Fast, comfortable blood pressure with SureBP® technology

Oral/axillary or tympanic thermometry options to meet patient and care setting requirements

Option of Masimo®, Nellcor® or Nonin® SpO₂

Up to 20 custom modifiers for more complete patient documentation

Customizable Early Warning Scoring (e.g., MEWS, PEWS) to enable clinical decision support at the bedside

Wireless EMR connectivity

Visit www.welchallyn.com for more configurations and accessories including options for blood pressure cuffs, hoses, SpO₂ sensors and more.

Common Configurations *(Select One)*

- 71WT-B SureBP NIBP, SureTemp® Plus Thermometry, Nonin SpO₂
- 73WT-B SureBP NIBP, SureTemp Plus Thermometry, Nonin SpO₂ and Bluetooth® wireless
- 74CT-B SureBP NIBP, SureTemp Plus thermometry and Nellcor SpO₂; Add WiFi: 75CT-B
- 74MT-B SureBP NIBP, SureTemp Plus thermometry and Masimo SpO₂; Add WiFi: 75MT-B

Accessories

- 7000-MS3 Classic mobile stand
- 7000-GCX GCX VESA wall channel and mount
- 7000-MWS Mobile Work Surface Stand
- 7000-APM Accessory Power Management Stand
- 77794-2MSCM Integrated Diagnostic Wall Board
- 7000-916HS 2D barcode scanner

Technical Specifications:



Connex® Spot Monitor

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Noninvasive Blood Pressure (NIBP)	
Cuff Inflation Target	Adult: 160 mmHg Pediatric: 140 mmHg Neonate: 90 mmHg
Systolic Range	Adult/Pediatric: 30 - 260 mmHg Neonate: 20 - 120 mmHg
Diastolic Range	Adult/Pediatric: 20 - 220 mmHg Neonate: 10 - 110 mmHg
MAP Range	Adult/Pediatric: 23 - 230 mmHg Neonate: 13 - 110 mmHg
Blood Pressure Accuracy	Meets the ANSI/AAMI SPI0:2002 and ISO/ANSI/AAMI 81060-2:2013 standards for noninvasive blood pressure accuracy (± 5 mmHg mean error, 8 mmHg SD)
BP Determination Time	15 seconds typical, 150 seconds max
Overpressure Cutoff	Adult/Pediatric: 300 mmHg \pm 15 mmHg Neonate: 150 mmHg maximum
Pulse Rate Range	Adult/Pediatric: 30 - 200 bpm Neonate: 35 - 220 bpm
Pulse Rate Accuracy	\pm 5.0% (± 3 bpm)

Temperature	
Measurement Range	SureTemp Plus: 80 - 110°F (26.7 - 43.3°C) Braun: 68 - 108°F (20 - 42.2°C)
Calibration Accuracy	SureTemp Plus: $\pm 0.2^\circ\text{F}$ ($\pm 0.1^\circ\text{C}$) Braun: $\pm 0.4^\circ\text{F}$ (for temps up to 107.6°F), $\pm 0.5^\circ\text{F}$ (for temps higher than 107.6°F)
Determination Time	Oral: Approximately 4 seconds Axillary: Approximately 4 seconds Rectal: Approximately 4 seconds Tympanic: Approximately 4 seconds

Electrical	
AC Power Supply	15V at 2.33A
Operating Time (Integrated 2-Cell Battery)	Up to 12 hours with fully charged battery (6 patients per device, vitals every 4 hours with NIBP, SpO2, temp, WiFi and barcode scan)
Battery Recharge Time	4 hours
Operating Time (APM with 9-Cell Battery)	Up to 17 hours

Wireless Radio	
Wireless Network Inter-face	IEEE 802.11 a/b/g/n
Frequency	2.4 GHz - 2.483 GHz (2.4 GHz bands) 5.15 GHz to 5.35 GHz, 5.725 GHz to 5.825 GHz (5 GHz bands)
Authentication/Encryption	Wireless Equivalent Privacy (WEP, RC4 Algorithm); Wi-Fi Protected Access (WPA); IEEE 802.11i (WPA2); TKIP, RC4 Algorithm; AES, Rijndael Algorithm; Encryption Key Provisioning; Static (40-bit and 128-bit lengths); PSK; Dynamic; EAP-FAST; EAP-TLS; EAP-TTLS; PEAP-GTC 1 PEAPMSCHAPv2; PEAP-TLS
FIPS 140-2	Yes

Mechanical	
Dimensions	Height: 10in (25.4cm) Width: 11in (27.9cm) Depth: 6in (15.3cm)
Weight	9.5 lbs (4.3 kg)

SpO ₂	
Measurement Range	1 - 100%
Pulse Rate Range	Masimo: 25 - 240 bpm Nellcor: 25 - 240 bpm Nonin: 40 - 240 bpm
SpO₂ Accuracy	Masimo: ± 2 digits Nellcor: ± 3 digits Nonin: ± 3 digits
Pulse Rate Accuracy	Masimo: ± 3 digits Nellcor: ± 3 digits Nonin: ± 3 digits

Environmental	
Operating Temperature	50 - 104°F (10 - 40°C)
Storage Temperature	-4 - 122°F (-20 - 50°C)
Operating Altitude	-1250 - 10,000 ft. (-381 - 3,048 m)
Operating Humidity	15% to 90% noncondensing
Storage Humidity	15% to 95% noncondensing
EMC Standard	IEC/EN 60601-1, 2nd and 3rd Edition Standards

For further information about this product or service, please contact your local Welch Allyn representative or visit www.welchallyn.com.

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