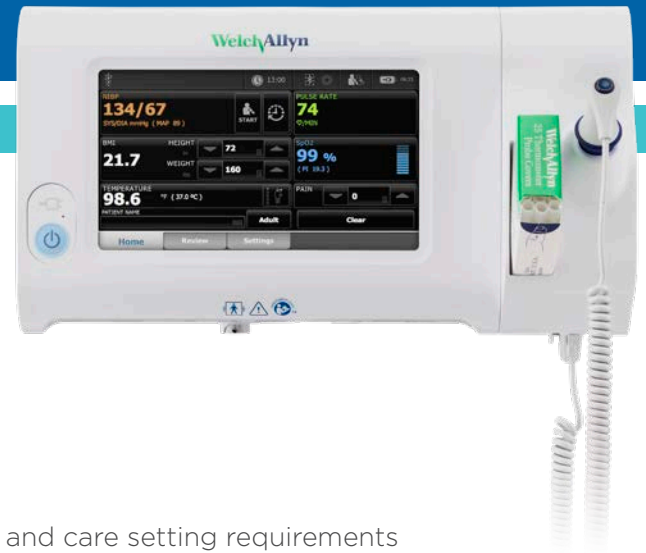


Welch Allyn Connex[®] Spot Monitor

Specifications



Product Features

- Simple color touchscreen interface
- Spot check and 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
- Optional clinician sign-on screen restricts access to protected health information
- Single sign-on options available for quick, secure clinician login
- 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

Common Configurations and Accessories

71WT-B	SureBP NIBP, SureTemp [®] Plus Thermometry, Nonin SpO ₂
73WT-B	SureBP NIBP, SureTemp Plus Thermometry, Nonin SpO ₂ and Bluetooth [®] wireless
74CT-B	SureBP NIBP, SureTemp Plus thermometry and Nellcor SpO ₂ ; Add WiFi [®] : 75CT-B
74MT-B	SureBP NIBP, SureTemp Plus thermometry and Masimo SpO ₂ ; Add WiFi: 75MT-B

Accessories

7000-MS3	Classic Mobile Stand	7000-DST	Desktop Stand
7000-GCX	GCX VESA Wall Channel and Mount	77794-2MSCM	Integrated Diagnostic Wall Board
7000-MWS	Mobile Work Surface Stand	7000-916HS	2D Barcode Scanner
7000-APM	Accessory Power Management Stand	7000-916HSR	2D Barcode Scanner/RFID Reader

Welch Allyn Connex® Spot Monitor

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 SP10:2002 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 4-6 seconds Adult Axillary (18 years and older): Approximately 15 seconds Pediatric Axillary (17 years and younger): Approximately 10 seconds Rectal: Approximately 10 seconds Tympanic: Approximately 3 seconds

SpO₂

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

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, SpO ₂ , temp, WiFi and barcode scan)
Battery Recharge Time	4 hours
Operating Time (APM with 9-Cell Battery)	Up to 17 hours

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

Mechanical

Dimensions	Height: 6.3 in (16.1 cm) Width: 9.2 in (23.4 cm) Depth: 2.3 in (5.8 cm)
Weight	2.9 lbs (1.3 kg)

Wireless Radio

Wireless Network Interface	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

For more information, contact your local Welch Allyn representative or visit www.welchallyn.com.

Welch Allyn, Inc.
4341 State Street Road
Skaneateles Falls, NY 13153 USA
(p) 800.535.6663 (f) 315.685.3361