



Hillrom™

Welch Allyn® Connex® Spot Monitor

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



DoD RMF



Approved

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 ± 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
Battery Recharge Time	4 hours
Operating Time (APM with 9-Cell Battery)	Up to 17 hours

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
Device Data Security Features	FIPS-approved encryption algorithms of transmitted data; Server authentication of the device; Digitally signed software images and configuration files

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)

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 60601-1-2

Contact your Hillrom representative for more information.

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Hillrom reserves the right to make changes without notice in design, specifications and models. The only warranty Hillrom makes is the express written warranty extended on the sale or rental of its products.