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

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>71WT-B</td>
<td>SureBP NIBP, SureTemp® Plus Thermometry, Nonin SpO₂</td>
</tr>
<tr>
<td>73WT-B</td>
<td>SureBP NIBP, SureTemp Plus Thermometry, Nonin SpO₂ and Bluetooth® wireless</td>
</tr>
<tr>
<td>74CT-B</td>
<td>SureBP NIBP, SureTemp Plus thermometry and Nellcor SpO₂; Add WiFi®: 75CT-B</td>
</tr>
<tr>
<td>74MT-B</td>
<td>SureBP NIBP, SureTemp Plus thermometry and Masimo SpO₂; Add WiFi: 75MT-B</td>
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</tbody>
</table>

Accessories

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<tr>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>7000-MS3</td>
<td>Classic Mobile Stand</td>
<td>7000-DST</td>
<td>Desktop Stand</td>
</tr>
<tr>
<td>7000-GCX</td>
<td>GCX VESA Wall Channel and Mount</td>
<td>77794-2MSCM</td>
<td>Integrated Diagnostic Wall Board</td>
</tr>
<tr>
<td>7000-MWS</td>
<td>Mobile Work Surface Stand</td>
<td>7000-916HS</td>
<td>2D Barcode Scanner</td>
</tr>
<tr>
<td>7000-APM</td>
<td>Accessory Power Management Stand</td>
<td>7000-916HSR</td>
<td>2D Barcode Scanner/RFID Reader</td>
</tr>
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## 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 ± 15 mmHg  
|                        | Neonate: 150 mmHg maximum  
| Pulse Rate Range | Adult/Pediatric: 30 - 200 bpm  
|                        | Neonate: 35 - 220 bpm  
| Pulse Rate Accuracy | ± 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: ±0.2°F (±0.1°C)  
|                        | Braun: ±0.4°F (for temps up to 107.6°F), ±0.5°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  
| SpO₂ Accuracy | Masimo: ± 2 digits  
|                        | Nellcor: ± 3 digits  
|                        | Nonin: ± 3 digits  
| Pulse Rate Accuracy | Masimo: ± 3 digits  
|                        | Nellcor: ± 3 digits  
|                        | Nonin: ± 3 digits  

### 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)  

### Electrical

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

### 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  

### 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](http://www.welchallyn.com).