The Connex® Integrated Wall System combines the advanced spot check and monitoring capabilities of the Welch Allyn Connex® Vital Signs Monitor with the Welch Allyn Integrated Diagnostic System, which includes an otoscope and ophthalmoscope—allowing clinicians to take and electronically capture accurate patient vital signs as well as perform basic diagnostic exams. By combining vital-signs and physical assessment tools in one place, it allows clinicians to immediately view all necessary patient data, speeding patient flow and eliminating frustrating searches for equipment.

This easy-to-use system features a large, intuitive, color touchscreen that can help with patient communications. And, since the system is compact, wall mounted, and comes with a cord management system, you save valuable floor space and reduce those tangled, hanging cords.

For connected facilities, patient vitals can be electronically sent directly to your EMR/EHR system, reducing manual transcription errors and giving clinicians immediate access to accurate data—enhancing clinical decision-making and improving patient safety.

Features

- SureBP—15-second NIBP and pulse rate
- Adult, pediatric and neonatal NIBP modes
- Spot check, monitoring and triage modes included
- SureTemp® Plus and/or Braun ThermoScan® PRO 4000 ear thermometry (optional—choose one or both)
- Masimo® or Nellcor® pulse oximetry
- Programmable visual and audible alarms for BP, SpO₂, temp and pulse
- PartnerConnect™ service software-ready for software-driven repairs and upgrades
- 4 USB accessory ports
- Masimo® noninvasive continuous monitoring of total hemoglobin (optional)
- Barcode scanning (optional)
- Interface to select digital weight scales (optional)
- Manual measurements entry (weight, height, respiration rate, pain) and documentation of modifiers, like body position and O₂ therapy
- Large color touchscreen display simplifies training and operation
- Descriptive error messages for easy troubleshooting
- Fully customizable USB configuration cloning
- Integrated 3.5 V handles for physical assessment instruments
- Integrated ear speculum dispenser
### Physical Specifications
- **Height:** 10.56 in. (268.26 mm)
- **Width:** 37.80 in. (960 mm)
- **Depth:** 4.92 in. (124.97 mm)
- **Weight (including battery):** 14.1 lb. (6.4 kg)
- **Power cord length:** 8’

### Graphical Display Dimensions
- **Display area:** 8 in. (H) x 4 in. (V) (20.3 cm [H] x 10.2 cm [V])

### Speaker Volume
- 57 dB at 1.0 meter

### Battery
- Composition: Lithium-ion

### Nurse Call Connection
- **Nurse call:** 25 VAC or 60 VDC maximum at 1 A maximum

### NIBP Specifications
- **Systolic range:**
  - Adult: 30 to 260 mmHg
  - Pediatric: 30 to 260 mmHg
  - Neonate: 20 to 120 mmHg

- **Diastolic range:**
  - Adult: 20 to 220 mmHg
  - Pediatric: 20 to 220 mmHg
  - Neonate: 10 to 110 mmHg

- **Blood pressure determination time:**
  - Typical: 15 seconds
  - Maximum: 150 seconds

- **Blood pressure tubing length:** 8’

- **Blood pressure accuracy:**
  - Meets or exceeds ANSI/AAMI SP10:2002 standards for noninvasive blood pressure
  - ± 5 mmHg mean error, 8 mmHg standard deviation

### Temperature
- **SureTemp temperature range:** 80 °F to 110 °F (26.7 °C to 43.3 °C)
- **Braun temperature range:** 68 °F to 108 °F (20.0 °C to 42.2 °C)
- **SureTemp probe cord length:** 9’

### SpO₂ Specifications
- **Performance measurement range:** 1 to 100%
- **SpO₂ cable length:** 10’

### General Compliance and Standards
- **ANSI/AAMI SP10**
- **AS/NZS 3200.1.01**
- **ASTM D 4332, E 1104**
- **CAN/CSA C22.2 NO.601.11 CAN/CSA-C22.2 NO.60601-1-2, CSA 29919**
- **EN 1060-1, 1060-3, 1060-42**
- **EN/EC 60601-1, 6801-1-2, 6801-1-4, 6801-1-6, 6801-2-30, 60601-2-45, 62304**
- **EN/ISO 9919, 13485, 14971**
- **ISTA 2A**
- **UL 60601-11**

### Accessories
- **6000-NC**
- **6000-915HS HS1-M 2D**
- **4500-925**
- **103371**

### Service and Support*
- **1-year Comprehensive Partnership Program**
- **2-year Comprehensive Partnership Program**
- **1-year Biomed Partnership Program**
- **2-year Biomed Partnership Program**

### Sample Configurations
- **Without Wireless**
  - 84NTVXC-B
  - 84MTVXC-2
- **With Wireless**
  - 85NTVXC-B
  - 85MTVXC-2

### Select Specifications
- **Model Series:**
  - **8:**
    - Indicates model # series:
      - **84 = No Radio**
      - **85 = Radio**

- **SpO₂:**
  - Indicates SpO₂:
    - **M = Masimo SpO₂**
    - **N = Nellcor SpO₂**
    - **X = No SpO₂**

- **Oral Temp:**
  - Indicates Oral Temp:
    - **T = SureTemp Plus**
    - **X = No Oral Temp**

- **Storage**
  - Indicates IR Thermometry:
    - **E = Braun IR**
    - **X = No Ear Temp**

- **Ear Temp**
  - **C = MacroView**

- **Head Pair**
  - **X = No Heads**

### Power Cord Key
- **1:** North America
- **2:** Europe
- **4:** United Kingdom
- **6:** Australia/New Zealand
- **7:** South Africa

---

*Where available. Please ask your Welch Allyn representative.