

Welch Allyn

Connex[®] Integrated Wall System



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

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Advancing Frontline Care[™]

The SKU or Part Number structure is in the format 8XXXXX, where each character has a preallocated value:

1st & 2nd Position	3rd Position	4th Position	5th Position	6th Position	7th Position	8th Position
Model Series	SpO₂	Oral Temp	Storage	Ear Temp	Head Pair	Power Cord
8						-
Indicates model # series: 84 = No Radio 85 = Radio	Indicates SpO ₂ : M = Masimo SpO ₂ N = Nellcor SpO ₂ X = No SpO ₂	Indicates Oral Temp: T = SureTemp Plus X = No Oral Temp	V = SCS (Standard Cuff Storage)	Indicates IR Thermometry: E = Braun IR X = No Ear Temp	C = MacroView™ 23820 + Coaxial Ophthalmoscope 11720 P = MacroView 23820 + PanOptic™ Ophthalmoscope 11810 X = No Heads	

Power cords are indicated as "-" at end of the part number, e.g., 8XXXXX-B as a 1- digit alphanumeric code

Power Cord Key	
B	North America
2	Europe
4	United Kingdom
6	Australia/New Zealand
7	South Africa

Sample Configurations

Without Wireless With Wireless

84NTVXC-B 85NTVXC-B BP, SpO₂ (Nellcor), Temp (SureTemp Plus), MacroView Otscope and Coaxial Ophth., N. Amer. Power Cord
 84MTVXC-2 85MTVXC-2 BP, SpO₂ (Masimo), Temp (SureTemp Plus), MacroView Otscope and Coaxial Ophth., EU Power Cord

Select Specifications

Physical	Height 10.56 in. (268.26 mm)	Width 37.80 in. (960 mm) with Braun thermometer 39.92 (1014 mm)	
	Depth 4.92 in. (124.97 mm) with Braun thermometer 7.51 (190.8 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	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 Meets or exceeds ANSI/AAMI SP10:2002 standards for noninvasive accuracy (± 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'	
SpO ₂	SpO ₂ performance measurement range 1 to 100%		SpO ₂ cable length—10'
Environmental	Operating temperature 50 °F to 104 °F (10 °C to 40 °C); Storage temperature -4 °F to 122 °F (-20 °C to 50 °C)		
	Operating altitude -557 to 10,000 ft. (-170 m to 3,048 m)		
	Operating humidity 15 to 95% noncondensing; Storage humidity 15% to 95% noncondensing		
Handle	Handle output 3.00-3.90 V, .70-1.50 A	767 power handle cord lengths—12'	
Electrical Rating	100-240 V AC, 50-60 Hz, 1.50-.08 A		

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 Z9919
 EN 1060-1, 1060-3, 1060-42 | EN/IEC 60601-1, 60601-1-2, 60601-1-4, 60601-1-6, 60601-1-8, 60601-2-30, 60601-2-49, 62304
 EN/ISO 9919, 13485, 14971 | ISTA 2A | UL 60601-11

Accessories

6000-NC	Nurse Call Cable
6000-915HS HS1-M 2D	Barcode Scanner with Coiled USB
4500-925	6' USB Cable for Wired Connectivity
103371	Barcode License

Service and Support*

S1-CIWS	1-year Comprehensive Partnership Program
S1-CIWS-2	2-year Comprehensive Partnership Program
S2-CIWS	1-year Biomed Partnership Program
S2-CIWS-2	2-year Biomed Partnership Program
CIWSERREPW-TRN	Technical online training for Biomed
CIWSERREP-TRN	Technical onsite training for Biomed

*Where available. Please ask your Welch Allyn representative.

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