



**Hillrom™**

# Welch Allyn® Spot Vital Signs® 4400 Device

## TECHNICAL SPECIFICATIONS

ELECTRICAL RATING	100 – 240 V AC, 50 – 60 Hz, 0.8A – 0.5 A
HEIGHT X WIDTH X DEPTH	25.7 cm (10.1 in) x 23.6 cm (9.3 in) x 12.4 cm (4.9 in)
WEIGHT (INCLUDING BATTERY)	1.7 kg (3.8 lbs)
2 CELL BATTERY USAGE	Up to 8 hours of operation

## GRAPHICAL DISPLAY SPECIFICATIONS

ACTIVE AREA (W X H)	154.08 mm x 85.92 mm (6.1 in x 3.4 in)
RESOLUTION	800 x 480 pixels

## ENVIRONMENTAL SPECIFICATIONS

OPERATING TEMPERATURE	10°C to 40°C (50°F – 104°F)
STORAGE/TRANSPORT TEMPERATURE	-20°C to 50°C (-4°F – 122°F)
OPERATING ALTITUDE	-3,81 m – 3,048 m (-1250 ft – 10,000 ft)
OPERATING HUMIDITY	15% – 90% Noncondensing
STORAGE/TRANSPORT HUMIDITY	15% – 95% Noncondensing

## MOUNTING OPTIONS

4400-DST	Desktop Stand (Portable Stand with Cuff and Cord Management)
4400-MBS	Mobile Stand (Portable Stand with Cuff and Cord Management)

## CONFIGURATION OPTIONS

44WT MODEL	Nonin® SpO <sub>2</sub> , SureTemp®, NIBP
44XT MODEL	SureTemp, NIBP




## FEATURE SPECIFICATIONS


NON-INVASIVE BLOOD PRESSURE (NIBP) SPECIFICATIONS			
CUFF PRESSURE RANGE	Meets or Exceeds IEC/ISO 80601-2-30 Standard for Cuff Pressure Range		
SYSTOLIC RANGE	Adult: 30 – 260 mmHg (StepBP, SureBP®) Pediatric: 30 – 260 mmHg (StepBP, SureBP)		
DIASTOLIC RANGE	Adult: 20 – 220 mmHg (StepBP, SureBP) Pediatric: 20 – 220 mmHg (StepBP, SureBP)		
CUFF INFLATION TARGET	Adult: 160 mmHg (StepBP) Pediatric: 140 mmHg (StepBP)		
MAXIMUM TARGET PRESSURE	Adult: 280 mmHg (StepBP, SureBP) Pediatric: 280 mmHg (StepBP, SureBP)		
BLOOD PRESSURE DETERMINATION TIME	Typical: 15 seconds* Maximum: 150 seconds		
BLOOD PRESSURE ACCURACY	Meets or Exceeds ISO 81060-2:2013 Standards for NIBP (± 5 mmHg mean error, 8 mmHg standard deviation)		
MEAN ARTERIAL PRESSURE (MAP) RANGE**	Adult: 23 – 230 mmHg (StepBP, SureBP) Pediatric: 23 – 230 mmHg (StepBP, SureBP)		
PULSE RATE RANGE (USING BLOOD PRESSURE DETERMINATION)	Adult: 30 – 200 bpm (StepBP, SureBP) Pediatric: 30 – 200 bpm (StepBP, SureBP)		
PULSE RATE ACCURACY (USING BLOOD PRESSURE DETERMINATION)	± 5.0% (± 3 bpm)		
OVERPRESSURE CUTOFF	Adult: 300 mmHg ± 15 mmHg Pediatric: 300 mmHg ± 15 mmHg		
SURETEMP PLUS® TEMPERATURE MODULE SPECIFICATIONS			
TEMPERATURE RANGE (ALL MEASUREMENT SITES)	26.7°C – 43.3°C		
SPO <sub>2</sub> SPECIFICATIONS			
SPO <sub>2</sub> PERFORMANCE MEASUREMENT RANGE	1% - 100%		
PULSE RATE	18 – 300 bpm: ± 3 digits; Low perfusion (40 – 240 bpm): ± 3 digits		
SATURATION***	70 - 100%		
SATURATION VARIANCE***	Adult/Pediatrics, No Motion	Adult/Pediatrics, Motion	Adult/Pediatrics, Low Perfusion
	Finger Clip: ± 2 digits Flex: ± 3 digits	Finger Clip: ± 2 digits Flex: ± 3 digits	All Sensors: ± 2 digits


To learn more about our Vital Signs Devices, please contact


[www.medica91.com](http://www.medica91.com)





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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.

\*Tested on a BP simulator.

\*\*The formula used to calculate MAP yields an approximate value.

\*\*\*Saturation accuracy varied by sensor type.

The Welch Allyn SPOT 4400 device is intended to be used by medical professionals for operator. Medical device (93/42/EEC): Class IIa Notified Body: DQS Medizinprodukte GmbH (CE0297)  
Manufacturer: Welch Allyn, Inc., 4341 State Street Road, Skaneateles Falls, NY 13153 USA. EC Rep.: Welch Allyn Limited, Navan Business Park, Dublin Rd, Navan, Co. Meath, C15 AW22, Ireland.  
This medical device is a regulated health product which, pursuant to such regulation bears a CE mark. Welch Allyn recommends that you carefully read the detailed instructions for safe and proper use included in the documents accompanying the medical devices. The personnel of healthcare establishments are responsible for the proper use and maintenance of these medical devices. Welch Allyn reserves the right to make changes without notice in design, specifications and models. The only warranty Welch Allyn makes is the express written warranty extended on the sale its products.