



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	10.1 in (25.7 cm) x 9.3 in (23.6 cm) x 4.9 in (12.4 cm)
Weight (Including Battery)	3.8 lbs (1.7 kg)
2 Cell Battery Usage	Up to 8 hours of operation

GRAPHICAL DISPLAY SPECIFICATIONS

Active Area (W x H)	6.1 in x 3.4 in (154.08 mm x 85.92 mm)
Resolution	800 x 480 pixels

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	50°F – 104°F (10°C – 40°C)
Storage/Transport Temperature	-4°F – 122°F (-20°C – 50°C)
Operating Altitude	-1250 ft – 10,000 ft (-381 m – 3,048 m)
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)
77794-M4400	Wall Mount System with Welch Allyn Green Series™ 777
77794-2M4400	Wall Mount System with Welch Allyn Green Series 777 and Welch Allyn PanOptic™ Ophthalmoscope

CONFIGURATION OPTIONS

44WT Model	Nonin® SpO ₂ , 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)	80°F – 110°F (26.7°C – 43.3°C)		
SpO ₂ Specifications			
SpO ₂ 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

Contact your Hillrom representative or visit hillrom.com/Spot4400 to learn more.

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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.