



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 x 23.6 cm x 12.4 cm
Weight (Including Battery)	1.7 kg
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
Resolution	800 x 480 pixels

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	10°C – 40°C
Storage/Transport Temperature	-20°C – 50°C
Operating Altitude	-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®) Paediatric: 30 – 260 mmHg (StepBP, SureBP)		
Diastolic Range	Adult: 20 – 220 mmHg (StepBP, SureBP) Paediatric: 20 – 220 mmHg (StepBP, SureBP)		
Cuff Inflation Target	Adult: 160 mmHg (StepBP) Paediatric: 140 mmHg (StepBP)		
Maximum Target Pressure	Adult: 280 mmHg (StepBP, SureBP) Paediatric: 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) Paediatric: 30 – 200 bpm (StepBP, SureBP)		
Pulse Rate Accuracy (Using Blood Pressure Determination)	± 5.0% (± 3 bpm)		
Overpressure Cutoff	Adult: 300 mmHg ± 15 mmHg Paediatric: 300 mmHg ± 15 mmHg		
SureTemp Plus® Temperature Module Specifications			
Temperature Range (All Measurement Sites)	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/Paediatrics, No Motion	Adult/Paediatrics, Motion	Adult/Paediatrics, 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.

Always read the labels and instructions for use. Contact your Hillrom Representative for the latest version.

*Tested on a BP simulator.

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

***Saturation accuracy varied by sensor type.

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