



Hillrom™

Welch Allyn®
Spot Vital Signs® 4400 Device

Simplicity, delivered

You work in a fast-paced environment, so you can't afford to slow down when it comes to capturing the basics. Our next-generation vital signs device is here to help. Experience simple, accurate vitals capture with a solution that fits smoothly into your daily routine. The Spot Vital Signs 4400 device offers an efficient way to capture, access and document patient vitals so you can focus on what really matters—spending more time with your patients.

Simple

An intuitive, all-in-one design makes the Spot Vital Signs device easy to use—for caregivers at any level. Add it to your existing workflow without disruption and begin exams quickly from the touchscreen.

Accurate

Trusted for clinical accuracy and consistent measurements,¹ the Spot Vital Signs device can help you make informed treatment decisions at the point of care. The portable design can also help standardise vitals capture throughout your facility and increase productivity for high-volume environments. Plus, blood pressure averaging is now part of the main workflow, enabling you to take and average multiple readings for improved hypertension detection.

Connected

Save time and help reduce data entry errors by sending patient data to the EMR.



Your New Solution for Detecting Hypertension

You may have heard about blood pressure averaging, but do you know how it can help improve hypertension screening?

Relying on a single blood pressure measurement can be misleading.

First-time readings can yield higher results than subsequent blood pressure measurements.²

Additionally, it's common for variations to occur between readings captured in a series.³ That's why the American Heart Association recommends automated office blood pressure solutions that can capture and average multiple readings during a single visit.²

Blood pressure averaging helps provide a more accurate view of your patient's heart health, so you can detect hypertension with confidence.

EXPERIENCE BLOOD PRESSURE READINGS YOU CAN BELIEVE IN.



Easy to Navigate,
Easy to Use



All-In-One Vitals Capture



EMR Connectivity
via USB Cable





ORDERING INFORMATION*

Part Number	Description
44XT	Spot 4400 with NIBP and SureTemp® Thermometer
44WT	Spot 4400 with NIBP, SureTemp Thermometer and Nonin® SpO ₂
4400-DST	Spot 4400 Desk Stand
4400-MBS	Spot 4400 Mobile Stand
77794-M4400	Green Series™ 777 Integrated Wall System for Spot 4400
77794-2M4400	Green Series 777 Integrated Wall System with PanOptic™ Ophthalmoscope for Spot 4400
BATT22	Connex® Spot, 2-Cell LI-Ion Battery
106275	Micro USB Cable
REUSE-11	Cuff, WA, Reusable, Adult
REUSE-12	Cuff, WA, Reusable, Large Adult
4500-35	Fast BP Hose with FlexiPort®, 10 ft

Discover the difference that simple can make.
Learn more at hillrom.com/spot4400 today or contact
Hillrom Customer Service on 1800 445 576.



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

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 of its products.

*See a full list of parts and accessories online at hillrom.com/spot4400.

¹ 2003 std-Alpert BS, Validation of the Welch Allyn Spot Vital Signs blood pressure device according to the ANSI/AAMI SP10: 2002. Accuracy and cost-efficiency successfully combined. Blood Press Monit. 2007 Oct;12(6):345-7.

² Muntner, Paul et al. "Measurement of Blood Pressure in Humans: A Scientific Statement From the American Heart Association." Hypertension 73, no. 5. (May 1, 2019). Doi:10.1161/hyp.0000000000000087.

³ Robert Smith, MD. Blood pressure averaging methodology: Decreasing the risk of misdiagnosing hypertension.



TO AVERAGE OR NOT TO AVERAGE?

Help Improve Hypertension Detection with Blood Pressure Averaging

Should blood pressure (BP) averaging be part of your practice? The American Heart Association thinks so. Their 2019 scientific statement says automatic, in-office BP devices that can capture and average at least three readings are the preferred method for evaluating office BP.¹

When a series of BP readings are taken, there is often variability between each measurement.² This, coupled with the fact that first-time readings tend to be higher than subsequent readings,² supports the need for a new approach.

And now, that new approach is right at your fingertips. The Welch Allyn® Spot Vital Signs® 4400 device delivers fast, simple BP averaging right from the home screen. With the tap of a button, you can capture and average multiple readings for a more comprehensive picture of your patient's hypertension status.

Feel confident in your hypertension screenings and help limit reading-to-reading variability by adding BP averaging to your practice.

Discover new blood pressure averaging solutions today. Visit hillrom.com/spot4400 to learn more.

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¹ Muntner, Paul et al. "Measurement of Blood Pressure in Humans: A Scientific Statement From the American Heart Association." Hypertension 73, no. 5. (May 1, 2019). Doi:10.1161/hyp.000000000000087.

² Smith MD, Robert, David Quinn, Christopher Long. "Blood Pressure Averaging: Decreasing the rate of Misdiagnosing Hypertension." 60101889, Version A. 2019.



35%

of first-time readings are artificially high.¹

However, it could be even higher,² reaching up to 41%.

27%

of patients

could have been misclassified if a single blood pressure reading was used instead of multiple, averaged readings.²



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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) Paediatric: 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

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*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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