Quick, easy, accurate vital signs at an affordable price.

Welch Allyn Spot Vital Signs®

SPECIFICATIONS

Noninvasive Blood Pressure (NIBP)
Cuff Pressure Range 0 to 300 mmHg
Initial Cuff Inflation 160 mmHg (adjustable)
Systolic Range 60 to 250 mmHg
Diastolic Range 30 to 160 mmHg
Mean Arterial Pressure Range 40 to 190 mmHg
Blood Pressure Accuracy Blood pressure meets or exceeds SP10:1992 AAMI standards
Blood Pressure Determination Time 25-45 seconds typical
Overpressure Cutoff 315 mmHg ± 15 mmHg
Pulse Rate Range 42 to 250 bpm
Pulse Rate Accuracy ± 5%

Temperature
Measurement Range 86 °F to 109.4 °F (30 °C to 43 °C)
Calibration Accuracy ± 0.2 °F ± 0.1 °C (Monitor Mode)
Determination Time Oral—Approximately 4 seconds
Axillary—Approximately 10 seconds
Rectal—Approximately 15 seconds
Probes
Dial/Axillary—Blue cap
Rectal—Red cap

SpO2
Performance 70% to 100%
Measurement Range 25 to 100%

Ordering Information
4200B Spot Vital Signs—BP only (includes Pulse Rate and MAP)
420TB Spot Vital Signs—BP, Temperature
4220B Spot Vital Signs—BP, Masimo Pulse Oximetry
422TB Spot Vital Signs—BP, Nellcor Pulse Oximetry
42MTB Spot Vital Signs—BP, Masimo Pulse Oximetry, Temperature
42NTB Spot Vital Signs—BP, Nellcor Pulse Oximetry, Temperature
4700-60 Mobile Stand with Basket
4701-62 Wall Mount with Basket
4200-64 IV Pole Mount
4200-170 Connectivity Accessory Kit with PC IR Adapter

Note: For all models above, use a letter suffix to designate language and a number to designate voltage (e.g., 42M0B-E1).
Languages: E=English, F=French, G=German, I=Italian, S=Spanish, P=Portuguese, C=Chinese
Voltages: 1=North America, 2=Europe, 4=UK, 6=Australia

SpO2 Accuracy
Masimo: ± 2 digits
Nellcor: ± 3 digits

Pulse Rate Accuracy
Masimo: ± 3 digits
Nellcor: ± 3 digits

Mechanical Dimensions
Height: 9.7 in (24.6 cm)
Length: 5.7 in (14.5 cm)
Depth: 4.7 in (12.0 cm)
Weight
Approximately 4.6 lbs (2.1 kg)

Electrical
AC Power Supply 7.2 VDC at 1.4 A
Battery Recharge Time 90% to 100% after 12 hours
90% recharge if AC power adapter is plugged in
Operating Time A fully charged battery supports 150 typical blood pressure determinations at 7-minute intervals

Environmental
Operating Temperature 50 °F to 104 °F (10 °C to 40 °C)
Operating Relative Humidity 10% to 90% (noncondensing)
Operating Altitude -1575 ft to +16,000 ft (-500 m to +4877 m)
Storage Temperature -4 °F to 122 °F (-20 °C to 50 °C)
Storage Humidity 10% to 90% (noncondensing)
EMC Standard IEC/EN 60601-1-2

Warranty
Two-year warranty on parts and labor

SpO2, Pulse Rate, and Temperature readings are relevant to adult patients only. 

MOSQUITO®

Only Masimo SET SpO2 sensors, including LNOP durable adhesive and NR value disposable sensors should be used with Masimo pulse oximetry. Masimo, Masimo SET, LNOP, and NR are registered trademarks of Masimo Corporation.
Welch Allyn Spot Vital Signs®
Quick, Easy to Use and Affordably Priced.

Welch Allyn Spot Vital Signs has made its mark in ambulatory and acute care settings for its accuracy, durability and cost-effectiveness. The fully automated, multiparameter Spot Vital Signs has become the device of choice for frontline caregivers world-wide.

Check vital signs rapidly, automatically—and affordably—with the Spot Vital Signs
Hospital-grade equipment now offers enhanced clinical performance and quality.
> Fast and accurate—completes BP, pulse rate, temperature, and SpO2, in approximately 30 seconds
> Multiparameter and modular so you can select precisely the vital signs you need
> Optional Masimo® or Nellcor® pulse oximetry
> Optional SureTemp® thermometry
> IR connectivity to interface with computerized patient records*

*Contact your local sales representative at 1.800.535.6663 or visit www.welchallyn.com

Affordable, multiparameter functionality to meet your vital signs needs

Spot Vital Signs Base Unit:
Blood Pressure
Noninvasive blood pressure using the oscillometric method. Pulse rate and Mean Arterial Pressure included.

Optional Features:
Temperature
SureTemp® thermometry gives you the versatility to obtain oral, axillary and rectal temperatures with the speed you want and accuracy you demand:
> Oral—approx. 4 seconds
> Axillary—approx. 10 seconds
> Rectal—approx. 15 seconds

Pulse Oximetry
Spot Vital Signs can be configured with the latest pulse oximetry technology from either Masimo or Nellcor for accurate SpO2, and pulse rate readings.

IR Connectivity
Data can be transferred from the device into patients’ medical records via the IR connection to a serial RS 232 cable.

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Connect to patient records
IR connectivity to interface with electronic patient records.

Fast and accurate readings
Increase productivity in high-volume, fast-paced settings.

Easy to learn and simple to use
Intuitive design and training materials provide concise, easy training for your staff.

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Noninvasive blood pressure using the oscillometric method.

Pulse rate and Mean Arterial Pressure included.

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