

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	20-45 seconds typical
Overpressure Cutoff	315 mmHg ± 15 mmHg
Pulse Rate Range (using BP determination)	40 to 200 bpm
Pulse Rate Accuracy (using BP determination)	± 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
Probe	Oral/Axillary—Blue cap Rectal—Red cap

SpO₂

Performance	70% to 100%
Measurement Range	
Pulse Rate Range	25 to 240 bpm

Ordering Information

4200B	Spot Vital Signs—BP only (includes Pulse Rate and MAP)
420TB	Spot Vital Signs—BP, Temperature
42M0B	Spot Vital Signs—BP, Masimo Pulse Oximetry
42N0B	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



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.



Only Nellcor OxiMax® pulse oximetry sensors should be used with the Nellcor pulse oximetry option. Nellcor and OxiMax are registered trademarks of Nellcor Puritan Bennett, Inc.



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SpO ₂ 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 V DC at 1.0 A Rechargeable sealed lead acid internal battery
Battery Recharge Time	90% to 100% after 12 hours Simultaneously operates device and charges battery when 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	15% to 90% (noncondensing)
Operating Altitude	-557 ft to +16,000 ft (-170 m to +4,877 m)
Storage Temperature	-4 °F to 122 °F (-20 °C to 50 °C)
Storage Humidity	15% to 90% (noncondensing)
EMC Standard	IEC/EN 60601-1-2

Warranty

Two-year warranty on parts and labor

The Spot Vital Signs can be used on a mobile stand, mounted on a wall, or attached to an IV pole mount.



Welch Allyn Spot Vital Signs®



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



Advancing Frontline Care™

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*
- > Portable—carry it, wheel it, or mount it
- > Big, bright, easy-to-read LCD screen
- > Offers you one of the most cost effective multiparameter instruments on the market
- > Fully upgradeable to meet your changing needs
- > Integrated long-life battery enhances device portability

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



Masimo® or Nellcor®
Choose optional pulse oximetry technologies from Masimo® or Nellcor®.

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



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.

