

## 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<br>Axillary—Approximately 10 seconds<br>Rectal—Approximately 15 seconds |
| Probe                | Oral/Axillary—Blue cap<br>Rectal—Red cap   |

### SpO<sub>2</sub>

|                   |               |
|-------------------|---------------|
| 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 SpO<sub>2</sub> 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 <sub>2</sub> Accuracy | Masimo: ± 2 digits<br>Nellcor: ± 3 digits |
| Pulse Rate Accuracy       | Masimo: ± 3 digits<br>Nellcor: ± 3 digits |

### Mechanical

|            |   |
|------------|---|
| Dimensions | Height: 9.7 in (24.6 cm)<br>Length: 5.7 in (14.5 cm)<br>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<br>Rechargeable sealed lead acid internal battery  |
| Battery Recharge Time | 90% to 100% after 12 hours<br>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 Alllyn 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 SpO<sub>2</sub> 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](http://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 SpO<sub>2</sub> 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.

