Welch Allyn Spot Vital Signs Patient Monitor

The **Welch Allyn Spot Vital Signs** is a monitor for patient vital signs. It can produce a reading in seconds, making it easy to use and accurate. The Spot Vital Signs device offers non-invasive blood pressure, pulse rate, temperature, and SpO2 measurements. The Welch Allyn Spot Vital Signs system is only for use on pediatric and adult patients. The vital signs monitor can fit in a selection of settings, from a hospital, physician's office, clinics, and long-term care facilities. The Welch Allyn Spot Vital signs are to check vitals. It is not intended for continuous monitoring of a patient. The Bright LCD screen can show you all of the parameters in one glance. The Welch Allyn Vital Signs system weighs under 5 pounds and runs off of a rechargeable lithium-ion battery, making it easy to carry to the patient that needs vitals checked.

Features

- 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
- Portable - carry it, wheel it, or mount it
- Big, bright, easy-to-read LCD screen
- Integrated long-life battery enhances portability and continuous operation

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Specifications

Dimensions

Height: 9.7” (24.6 cm)

Width: 5.7” (14.5 cm)

Depth: 4.7” (12.0 cm)

Weight: 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

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 Measurement Range: 70% to 100%

Pulse Rate Range: 25 to 240 bpm

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

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

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