

Welch Allyn Spot Vital Signs® LXi

Specifications

Features

- SureBP™ with pulse rate and MAP
- SureTemp® Plus or Braun ThermoScan® PRO 4000 thermometry
- Masimo® or Nellcor® pulse oximetry
- Manual weight, height, respiration rate, and pain level entry
- Compatible with select digital scales
- Calculates Body Mass Index
- 50-reading memory
- Connectivity-ready
- Fast, accurate, flexible
- Easy to use

Ordering Information

450T0*	Spot LXi with SureBP and SureTemp Plus Thermometer
450E0*	Spot LXi with SureBP and PRO 4000 Thermometer
45MT0*	Spot LXi with SureBP, Masimo SpO_2, and SureTemp Plus Thermometer
45ME0*	Spot LXi with SureBP, Masimo SpO_2, and PRO 4000 Thermometer
45NT0*	Spot LXi with SureBP, Nellcor SpO_2, and SureTemp Plus Thermometer
45NE0*	Spot LXi with SureBP, Nellcor SpO_2, and PRO 4000 Thermometer
4500-60	Mobile stand with basket
4500-62	Wall mount with basket
4500-500	External printer
4500-910	Barcode scanner
4500-920	Wireless radio
4500-925	Connectivity accessory kit—USB cable
4500-150E	Inservice CD

**Use a letter suffix to designate language followed by a number to designate voltage (e.g., 45MT0-E1).*

Languages: E=English, C=Chinese, DN=Danish, DT=Dutch, F=French, FN=Finnish, G=German, I=Italian, N=Norwegian, P=Portuguese, S=Spanish, SW=Swedish

Voltages: 1=North America, 2=Europe, 4=UK, 6=Australia

For more information, contact your Distributor Representative or Welch Allyn directly at 800.535.6663.

Welch Allyn®

Advancing Frontline Care™

Welch Allyn Spot Vital Signs® LXi

Specifications



Noninvasive Blood Pressure (NIBP)

Cuff Pressure Range	0 to 300 mmHg (0 to 40.0 kPa)
Systolic Range	60 to 250 mmHg (8.0 to 33.3 kPa)
Diastolic Range	30 to 160 mmHg (4.0 to 21.3 kPa)
Mean Arterial Pressure Range	40 to 190 mmHg (5.3 to 25.3 kPa)
Blood Pressure Accuracy	Meets or exceeds AAMI SP10:2002
Overpressure Cutoff	315 mmHg ±15 mmHg (42.0 kPa ± 1.9 kPa)
Blood Pressure Determination Time	Typical: 15 seconds
Pulse Rate Range	35 to 199 bpm
Pulse Rate Accuracy	±5.0%

Temperature

Temperature Range	SureTemp® Plus: 80° F to 110° F (26.7° C to 43.3° C) Braun ThermoScan® PRO 4000: 68° F to 108° F (20° C to 42.2° C)	
Calibration Accuracy	SureTemp Plus: ±0.2° F (0.1° C) (Monitor Mode) Braun ThermoScan PRO 4000 for displayed temperature ranges: ± 0.4° F (±0.2° C) 95.9° F to 107.6° F (35.5° C to 42° C), ±0.5° F (±0.25° C) (outside this temperature range)	
Display Resolution	0.1° F or ° C	
SureTemp Plus Predict Time	Oral Adult Axillary Pediatric Axillary Rectal	Approx. 4 to 6 seconds Approx.12 to 15 seconds (age 18 years and older) Approx. 10 to 13 seconds (age 17 years and younger) Approx. 10 to 13 seconds
Probe and Probe Well	Oral/Axillary Rectal	Blue Red

SpO_2

Performance Measurement	1 to 100%
Range	25 to 240 bpm
SpO_2 Accuracy	70% to 100%
Pulse Rate Accuracy	25 to 240 bpm ± 3 digits

Mechanical

Dimensions	Height	10.63 " (27 cm)
	Length/PRO 4000	8" (20.32 cm)
	Length/SureTemp Plus	7.5" (19 cm)
	Depth	5.25" (13.34 cm)
Weight	7.5 lbs (3.4 kg)	

Electrical

- AC power supply: 8V DC at 0.75 A
- Rechargeable sealed lead acid internal battery
- Battery recharge time: 90% to 100% after 6 hours; 1 additional hour for PRO 4000; 4 additional hours for external printer
- Simultaneously operates device and charges battery when AC power adapter is plugged in

Wireless Radio

Wireless Network Interface	IEEE 802.11b DSSS, WiFi compliant
Frequency	2.4 to 2.4835 GHz

Environmental

Operating Temperature (Device)	50° F to 104° F (+10° C to +40° C)
Operating Relative Humidity	15% to 95% (noncondensing)
Operating Altitude	-557 ft to +16,000 ft (-170 m to +4,877 m)
Storage Temperature	Device with SureTemp Plus: -13° F to 131°F (-25° C to 55°C) Device with PRO 4000: -4° F to 122°F (-20° C to 50°C)
Storage Humidity	15% to 95% (noncondensing)
EMC Standard	IEC/EN 60601-1-2:2001

Warranty

- Two-year warranty on device parts and labor
- Service contracts available

Masimo SET®

Only Masimo SET SpO_2 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.

NELLCOR

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.

BRAUN

Braun ThermoScan® is a registered trademark of the Braun Company.

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