

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	Approx. 4 to 6 seconds
	Adult Axillary	Approx. 12 to 15 seconds (age 18 years and older)
	Pediatric Axillary	Approx. 10 to 13 seconds (age 17 years and younger)
	Rectal	Approx. 10 to 13 seconds
Probe and Probe Well	Oral/Axillary	Blue
	Rectal	Red

SpO₂

Performance Measurement	1% to 100%
Range	25 to 240 bpm
SpO ₂ Accuracy	70% to 100%; ±2 digits
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: 8 V 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

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



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