

Specifications

Physical specifications

Performance

This section describe normal ranges for the ProBP 3400 device.

Blood Pressure Accuracy

Blood pressure accuracy meets or exceeds ANSI.AAMI SP10:2002 standards for noninvasive blood pressure accuracy (± 5 mmHg mean error, 8 mmHg standard deviation). Blood pressure accuracy is validated for pressure measurement using the upper arm only.

Cuff pressure range	0 to 300 mmHg
Systolic range	60 to 250 mmHg
Diastolic range	30 to 160 mmHg
Mean Arterial Pressure (MAP) range MAP is a calculated reading that yields an approximate value.	40 to 190 mmHg
Pulse rate range	35 to 199 bpm
Pulse rate accuracy	$\pm 5.0\%$
Overpressure cutoff	300 mmHg ± 15 mmHg


Mechanical specifications


Dimensions	Height: 15.0 cm (5.91 inches) Width: 8.0 cm (3.15 inches) Depth: 5.6 cm (2.20 inches)
Weight	450 g (0.99 lb)
Mounting	Custom mobile stand Custom wall mount Custom desk mount
Portability	May be used as a handheld device

Electrical specifications

Power requirements:	Input: 100-240VAC, 0.18A, 50-60Hz Output: 5VDC, 0.5A
Degree of protection:	Type BF applied part
Safety classification:	Class II
Internally powered:	Battery, lithium-ion type, 3.7V, 2100mAh, 7.8Wh
Protection against the ingress of water:	IPX0
Safety mode of operation:	Continuous operation
Standards:	This device complies with the following standards: EN/IEC 60601-1 EN/IEC 60601-1-2 EN 1060-1:1996 Specification for non-invasive sphygmomanometers - Part 1: General requirements EN 1060-3:1997 Specification for non-invasive sphygmomanometers - Part 3: Supplementary requirements for electro-mechanical blood pressure measuring systems FCC Subpart 15C FCC ID #PI4411B, IC 1931B-BTM411

Environmental specifications

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WARNING Fire and explosion hazard. Do not operate the device in the presence of a flammable anesthetic mixture with air, oxygen, or nitrous oxide; in oxygen-enriched environments; or in any other potentially explosive environment.
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Caution Use the device within stated operating temperature ranges. The device will not meet performance specifications if used outside these temperatures ranges.

Operating temperature	10°C to 40° C (50° to 104° F)
Storage temperature	-20°C to 50° C (-4° to 122° F)
Operating altitude	-170 to 4877 m (-557 to 16,000 ft.)
Storage humidity	15 to 95% (noncondensing)

Product disposal

Do not dispose of this product as unsorted municipal waste. Prepare this product for reuse or separate collection as specified by Directive 2002/96/EC of the European Parliament and the Council of the European Union on Waste Electronic and Electrical Equipment (WEEE). If this product is contaminated, this directive does not apply.

For more specific disposal information, see www.welchallyn.com/weee, or contact Welch Allyn Customer Service at +44 207 365 6780.