

Welch Allyn ProBP™ 2400 Digital Blood Pressure Device



Product Specifications:

Operation Temperature/Humidity	10 to 40 °C (50 to 104 °F)/15-90% relative humidity
Storage Temperature/Humidity	-20 to 55 °C (-4 to 131 °F)/15-90% relative humidity
Weight	800g (1.7 lbs)
Dimensions	200 mm x 125 mm x 90 mm (7.9" x 4.9" x 3.5")
Measuring Method	Oscillometric, Systolic Blood Pressure (SYS) = K1 Diastolic Blood Pressure (DIA) = K5
Measurement Range	Blood Pressure: SYS 60 to 255 mmHg DIA 30 to 200 mmHg Mean Arterial Pressure 35 to 240 mmHg Pulse: 40 to 200 BPM
Cuff Pressure Display	0 to 299 mmHg
Cuff Pressure Display Resolution	1 mmHg
Display Size (W x H)	75 mm x 96 mm
Display Type	Backlit 13 Segment LCD
Parameters Displayed	Systolic Blood Pressure (SYS) Diastolic Blood Pressure (DIA) Mean Arterial Pressure (MAP or PAM) Pulse Rate
Clinical Graphic Indicators	Pulse Detected Irregular Heartbeat Detected Interval Countdown Timer
Device Graphic Indicators	Mains Power Applied Low Battery
Controls	Main Power Switch Start/Stop Button Memory Button Mode Selection Switch
Static Pressure (Transducer) Accuracy	± 3 mmHg
Pulse Accuracy	± 5%
Mains Power Supply	Input: 100-240V-50/60Hz 0.48A Output: 7.5VDC, 1.5A Set of 4 Mains Blade Adapters (US, UK, EU, AU) Power Cord Length: 6'
Battery (Standard)	Rechargeable NiMh 4.8V 2400mAh
Battery (Optional)	Rechargeable NiMh 4.8V 3500mAh
Battery Service Life	>500 full recharge cycles
Battery Recharge Time	5.5 hours @ 20 °C (Standard Battery) 8 hours @ 20 °C (Optional Battery)
BP Cycles Per Charge*	600 - 700 (Standard Battery) 875 - 1,020 (Optional Battery)
Battery Charge State LED	Green - Fully Charged Orange - Charging in Progress Off - No Mains Power Applied

Clinical Modes	Single Reading Three Reading Average Manual (Auscultatory)
Interval Options (3-reading avg. mode)	60-second delay before first reading 15, 30, 45 or 60 seconds between readings
Maximum Initial Inflation Pressure	Auto, 140, 160, 180, 200, 220, 240, 260 mmHg
Standard Blood Pressure Cuffs (Included)	Adult (22 to 32 cm) Large Adult (32 to 42 cm)
Optional Blood Pressure Cuffs**	Child (14 to 22 cm) Large Adult Long (32 to 52 cm)
Cuff Tube Length	122 cm (48")
Special Patient Populations	Validated for use in Pregnancy and Preeclampsia
Applied Standards	IEC 60601-1: 2005+A1:2012 IEC 60601-1-2: 2007/AC:2010 ANSI/AAMI/ISO 81060-2 ANSI/AAMI/ISO/IEC 80601-2-30 IEC 60601-1-2 ES 60601-1 IEC 60601-1-6 IEC 80601-2-30 CSA STD C22.2 No. 60601-1, No. 60601-1-6, No. 80601-2-30
Device Part Number	2400
GTIN	00732094211078
510K#	K143341
Country of Origin	China
Mounting Options	Mobile Stand Wall Mount Bracket - Compatible with Welch Allyn Integrated Wall System

*Values are calculated for a new battery based on battery capacity compared to device current draw under the following conditions: Adult Cuff, BP of 120/80, Pulse of 70 BPM, sequential readings. Factors such as higher BP, lower pulse, larger BP cuff, battery age and longer standby time between readings will reduce available cycles.

**Check for regional availability of optional cuff sizes.

