



ri-champion® smartPRO+

Non-invasive, blood pressure Monitor

- › Clinically validated
- › Fast and low noise measurements
- › Irregular heartbeat detection
- › Average BP measurement function
- › 200 measurements with one set of batteries
- › Optional Bluetooth connectivity
- › Optional mains adapter
- › Automatic off function - if left idle for 3 minutes
- › CE / FDA approved
- › IP21 Water protection



The Riester **ri-champion® smartPRO+** Clinically validated blood pressure monitor, designed for fast and reliable readings. Advanced performance by indicating irregular heartbeat detection and average measurement function.

Power Source:	Four 1.5 V AA alkaline batteries
Battery Life:	200 Readings
Size of Meter w/o Cuff:	141 (L) x 121 (W) x 72 (H)mm, 350 g without batteries
Cuff Size:	S (small): 15 - 24 cm (5.9 - 9.4 inches) with air tube 80 cm W (Wide size): 24 - 43 cm (9.4 - 16.9 inches) with air tube 80 cm
Memory:	Maximum 400 memory records
External Output:	Bluetooth (ri-champion® smartPRO+ only) (Frequency: 2.45 GHz, Bandwidth: 170 MHz, Modulation: GFSK, ERP: 3.54 dBm)
Power Saving:	Automatic power off if system idle for 3 minutes
Operating Conditions:	5°C to 40°C (41°F to 104°F), 15 % to 93 % relative humidity, 700 hPa to 1060 hPa
Storage / Transportation Conditions:	-25°C to 70°C (-13°F to 158°F), 10 % to 95 % relative humidity
Power Supply Input:	DC + 6 V / 1 A (max) via Power Plug
IP Classification:	IP21

Heart Rate Range:	40 - 199 beat per minute
Systolic Measurement Range:	60 mmHg - 255 mmHg
Diastolic Measurement Range:	30 mmHg - 195 mmHg
Pulse Rate Measurement Range:	40 - 199 beats / minute
Maximum Inflation Pressure:	280 mmHg
Accuracy of Pressure:	±3 mmHg or ±2% of reading
Accuracy of Pulse rate:	±4% of reading
Measurement Unit:	Either mmHg or kPa

This device has been tested to meet the electrical and safety requirements of: IEC/EN 60601-1, IEC/EN 60601-1-2, EN 301 489-17, EN 301 489-1, EN 300 328.
Reference to Standards:
EN 1060-3, NIBP-requirements
IEC60601-1 General requirement for safety
IEC60601-1-2 Requirements for EMC
EN1060-4, NIBP clinical investigation
AAMI / ANSI / IEC 80601-2-30, ANSI/AAMI/ISO 81060-2, NIBP requirements

Art. No. 1735-BT	Blood pressure device ri-champion® smartPRO+ with BT and W-cuff
Art. No. 1735	Blood pressure device ri-champion® smartPRO without BT, with W-cuff
Art. No. 1736-BT	Blood pressure device ri-champion® smartPRO+ with BT and S-cuff
Art. No. 1736	Blood pressure device ri-champion® smartPRO without BT, with S-cuff
Art. No. 12633	Cuff size W (24 - 43 cm)
Art. No. 12632	Cuff size S (15 - 24 cm)
Art. No. 12631	AC adaptor