

### 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<br>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)<br>(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 |

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