

## BR-102 plus Long-Term Blood Pressure Recorder

### The discreet small-size BP monitoring unit

#### Maximum comfort for your patients!

The SCHILLER BR-102 plus gives the highest degree of patient comfort. It is distinguished by its small dimensions and low weight. Incorporating a special technique, the cuff is only inflated as much as needed. This is why the BR-102 plus can barely be seen, felt, or heard during use. It is discreet and reliable. With the BR-102 plus, your patient can continue his everyday life undisturbed – the more naturally a patient acts, the more reliable the measured values are.

#### Blood pressure solutions for every physician

The BR-102 plus can be used in angiology, internal medicine, cardiology, and also general medicine (family doctors).

#### One device – several fields of use:

- Screening (detection of patients with hypertension)
- Treatment control (e.g. assessment of the efficacy of prescribed drugs)
- Monitoring

#### Big possibilities in a small format!

- You have the choice between two versions:
  - Measurements are made using both the auscultatoric and the oscillometric methods, where the oscillometric measurement is used as backup to ensure accurate results for every measurement. The auscultatoric method of measurement also enables reliable measurements with patients suffering from cardiac arrhythmia or atrial fibrillation.
  - Purely oscillometric method – enables reliable blood pressure measurement without a microphone.
- Recording over 24 or 48 hours
- Easy menu guidance with two control buttons
- Voice recording of patient data
- Examination of adults and children thanks to a special algorithm
- Free programming and storage of up to four individual measurement programs
- The patient can take additional measurements at any time
- Recording and storage of up to 200 measurements in a 24h period
- USB interface for data transmission to a PC



#### SCHILLER analysis software MT-300:

- All unit settings can be defined via the PC software
- When the BR-102 plus is started via the PC software, the patient data is stored in the unit
- Comprehensive statistical calculations based on the measurements
- The results are saved in XML format
- Various numerical and graphical presentations
- Printout
- Patient diary with automatically entered patient data
- Classification of the blood pressure values according to the definition of the "British Hypertension Society guidelines for hypertension management 2004 (BHS-IV)"
- Integration with the SCHILLER data management system SEMA-200
- E-mail transmission
- EMR system interface (GDT)
- PDF generation
- Serial comparison of different recordings
- Acronyms (editable)



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# Technical Data BR-102 plus:

## System:

**Dimensions:** 101 x 69 x 28 mm (l x w x h)

**Weight:** 198 g (including rechargeable batteries)

**Power supply:** 2 rechargeable NiMH batteries (≥ 2300 mAh), Type "AA"

**LCD:** Backlit graphical LCD with multi-language menu

**Interface:** USB interface for data transfer and settings

**Programming:** Menu guidance; 2 buttons

## Safety:

**Safety Standards:** IEC/EN 60601-1; UL 60601-1; C22.2 No. 601.1-M90; IEC/EN 60601-1-2 (EMC)

**Protection Class:** Internal power supply

**Applied Part:** BF according IEC/EN 60601-1

**Conformity:** CE 0123 according Directive 93/42/EEC (Medical Devices)

**Classification:** IIa according Directive 93/42/EEC

## Measurement:

**Methods of measurement:** Auscultatory (Korotkoff/Riva-Rocci) and oscillometric

**Measurement duration:** 24 h or 48 h

**Measuring range, blood pressure:** 30 – 300 mmHg

**Measuring range, heart rate:** 25 – 300 bpm

**Deflation rate:** 2 – 9 mmHg/sec., automatic

**Measurement intervals:** 10 – 120 min.

**Memory capacity:** Over 400 measurements and 30 sec. of voice recording

**Option:** Mini SD card for the additional storage of the raw data

## Standard accessories:

Cuff (M), 4 NiMH rechargeable batteries, battery charger, securing pouch with belt, user guide, velcro fixing pads to secure cuff, adhesive pads to fix the microphone, MT-300 analysis software and USB cable assembly

## Optional accessories:

Several cuff sizes

## PC requirements:

- WINDOWS™ 2000/XP
- Pentium 500 MHz or higher
- 1 GB hard disk
- The software needs 10 MB free hard disk memory
- 256 MB RAM
- Monitor resolution: XGA 1024 x 768 or higher

Technical data and images are subject to change without notice.

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