

boso

Users Instructions



boso-profitest



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Contents of the kit:

- 1 blood pressure instrument with cuff
- 1 set of instructions for use
- 1 case

Preliminary remarks:

This blood pressure instrument complies with the European regulations that are the basis for the German Medicinal Products Act (CE marking) and the international standard ISO 81060-1.

All Calibration testing – at least every two years –, has to be carried out either by the manufacturers or the local authorised dealer in accordance with the relevant distributor directives.

Purpose:

Non-invasive recording of systolic and diastolic blood pressure in humans. The instrument can be used with any arm circumference as shown on the corresponding cuff.

Important:

Avoid subjecting the unit to strong shocks (do not knock it or let it drop) and keep it safe from moisture and dirt.

Care has to be taken that the cuff does not become punctured by sharp objects such as needles or scissors.

Do not inflate to above 300 mmHg!

The actual measurement should not exceed 2 minutes.

An interval of at least 2 minutes has to be allowed between two measurements.

The patient must follow these basic rules when having his/her blood pressure measured:

- sit comfortably
- not cross his/her legs
- rest his/her back and arms on the chair or another surface
- have the centre of the cuff placed on the upper arm at the level of the heart
- relax as much as possible and keep silent while his/her blood pressure is being measured
- be calm for 5 minutes before the first reading

The following phases are recommended in the case of auscultatory measurement

- adults: phase V (K5)
- children aged 3 to 12: phase IV (K4)
- pregnant women: phase V (K5), except when sounds are audible when the cuff is deflated: in this case phase IV (K4) Korotkoff sounds should be used.

K5 is the point at which tones heard through the stethoscope are no longer audible

K4 is the point at which tones heard through the stethoscope change from a clear sound to a muffled sound.

Only use the prescribed boso cuffs with their special connector.

Inscriptions:

“mmHg” is the unit in which blood pressure is measured
“shock protected” = the instrument has been tested and found to work correctly after being dropped from a height of up to one metre.

Fitting the Cuff:

The cuff must not be fitted over wounds as this could lead to further injury.

Blood pressure must always be measured on the arm with the higher pressure values.

To do this, first measure blood pressure on both arms and subsequently always on the arm which produced the higher reading.

Place cuff in such a manner that the lower cuff edge finishes ca. 2 – 3 cm above the elbow and the centre of the rubber bag rests on top of the artery.

Taking the Blood Pressure:

Inflate the cuff to above the systolic pressure. The first strong pumping action automatically closes the pressure release valve. By lightly pressing the button of the air release valve the deflation speed can be finely adjusted. The World Health Organisation (WHO) recommends a deflation speed of 2 – 3 mmHg per second. When the measurement is completed, firmly press the air release button once more. This fully opens the release valve to allow all the remaining air to escape from the cuff.

Technical Data:

Measurement range: 0 – 300 mmHg

Accuracy of pressure indicated: ± 3 mmHg

Storing conditions:

$-20^{\circ}\text{C} - 70^{\circ}\text{C}$, 15 – 85% rel. humidity

Operating conditions:

$10^{\circ}\text{C} - 40^{\circ}\text{C}$, 15 – 85% rel. humidity

Cleaning of Unit and Cuff:

- To clean the unit – only use a soft dry cloth.
- To clean the cuff – first remove the rubber bag, the cuff can then be washed by hand at maximum 30 degrees Celcius.

Disinfection:

For disinfectant wipes (at least 5 minutes exposure time) of the device and the cuff, we recommend the disinfectant liquid Microzid Liquid Sensitiv (Schülke & Mayr).

To disinfect the velcro of the cuff, we recommend spray disinfection.

Warranty Conditions:

We give 2 years warranty from the date of purchase. The purchase date has to be proven by the invoice. Within the warranty period defects are eliminated free of charge. After repairs the warranty period is not extended on the whole unit, but only to the replaced components.

Excluded from the warranty are parts subject to normal wear and tear (e.g. cuff), transport damages and any damage caused by improper handling (e.g. non-compliance with the instructions for use). Damages due to disassembly by unauthorized persons are also excluded from warranty.

No claims for damages against us are substantiated by the warranty.

In the case of justified warranty claims the device has to be sent along with the original invoice to:

**BOSCH + SOHN GMBH U. CO. KG,
Bahnhofstr. 64, D-72417 Jungingen.**

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