

What is new upon the Duo Sensor Technology?

The Duo Sensor Technology is described as the innovative combination of two professional measuring technologies. Whilst most automatic blood pressure self-measurement devices only use oscillometric technology, Duo Sensor Technology combines the advantages of both technologies. During the measurement procedure, Duo Sensor Technology primarily utilises Korotkoff's highly accurate method of blood pressure measurement.



PAUL HARTMANN AG
89522 Heidenheim



Products	Sizes	Units	Article number	Shipping unit
Tensoval® duo control Oberarm-Messgerät Schalenmanschette	22 - 32 cm	1 OP (1 Stück)	900 194	6 OP
Tensoval® duo control Large Oberarm-Messgerät Zugbügelmanschette	32 - 42 cm	1 OP (1 Stück)	900 197	6 OP
Tensoval® duo control Zubehör Schalenmanschette	22 - 32 cm	1 OP (1 Stück)	900 166	50 OP
Zugbügelmanschette	22 - 32 cm	1 OP (1 Stück)	900 154	50 OP
Zugbügelmanschette Large	32 - 42 cm	1 OP (1 Stück)	900 155	50 OP Tensoval
Netzgerät		1 OP (1 Stück)	900 153	40 OP

Nicht aktualisiert



The use of the two professional measurement technologies provides measurements of double security. This is guaranteed by the "Duo Sensor Technology Seal".



Innovation
2007

Simply more secure. Tensoval® duo control.
Blood pressure measurement using Korotkoff technology.



xxx

Tensoval® duo control – Two technologies in one device. Clinical tests have proven the outstanding benefits.

“Excellent accuracy...”



Quality Seal German Hypertension Society, 2007
BHS – British Hypertension Society, autumn 2006
ESH – European Society of Hypertension
ANSI/AAMI – Association for the Advancement of Medical Instruments, U.S.A.

“...particularly suitable for people
with high blood pressure...”

BHS – British Hypertension Society, autumn 2006

“...and various types of heart rhythm disorders.”

Heart and diabetes center NRW, Bad Oeynhausen, Germany, autumn 2006



“Only using Tensoval duo control enables me to know my correct blood pressure measurement values, as only the combination of the two measuring technologies employed in this device ensures high accuracy and excellent handling comfort.”



New, easy-care
comfortable
Premium cuff

Ergonomically shaped
connection plug for
easy handling

Large display for
comfortably reading
the measurements

Double the security due to the
innovative combination of the
Korotkoff and oscillometric
measuring technology

Stores up to 30 readings
and average values each
for two users and offers
a guest mode for a third person



The high accuracy of blood pressure measurement using Korotkoff's* method...

Korotkoff's principle of blood pressure measurement is characterised by its high accuracy and reduced susceptibility to malfunction, producing correct measured values even in patients with a variety of heart rhythm disorders. This is why doctors normally use a stethoscope to listen for what are known as Korotkoff sounds in order to measure blood pressure. Duo Sensor Technology utilises this accuracy which makes it particularly suitable for people who want accurate measurement results. These may be important for people who receive drug treatment due to high blood pressure in helping their doctor prescribe the right dosage of the drug for them. Moreover, many patients with certain types of disordered heart rhythms can now obtain accurate values when using this automatic blood pressure measuring device. Also, the microphone is mounted in the device itself rather than the cuff, reducing susceptibility to malfunction from operating errors. Duo Sensor Technology thus produces accurate results and is still easy to use.



*Nikolai Korotkoff, a Russian scientist, is credited as being the founder of modern blood pressure measurement. Over 100 years ago, he discovered that blood pressure can be measured with a cuff and stethoscope.

...and the special characteristics of the oscillometric measurement

The oscillometric measurement detects the pulse wave vibrations in the artery rather than pulse sounds. Using a pre-programmed formula known as algorithm, a processor calculates the most likely blood pressure values. The measurement results are calculated indirectly, whereas the Korotkoff method measures blood pressure directly on the artery. The oscillometric measurement method is considered less accurate than the Korotkoff method. However, it is suitable for people whose pulse sounds are so faint that they cannot be auscultated by Korotkoff's method.

The advantages at a glance

- Particularly suitable for people with high blood pressure and various types of heart rhythm disorders
- Reliable results and ease of use
- Will bring you extra sales as a result of being a real innovation
- Exclusively for sale in pharmacies and specialist medical supply shops