

Double the means, double the guarantee.



NISSEI



Digital Blood Pressure Monitor DS-700



Digital Blood Pressure Monitor DS-700

for upper arm measurement

When the artery is stressed with an inflatable cuff and relaxed gradually, oscillation is generated in the cuff pressure in response to pulse. Blood pressure can be determined from the change in the dynamics of this oscillation. This is called oscillometric method of blood pressure measurement, which is employed with many of blood pressure monitors used at household basis.

On the other, doctors and nurses take blood pressure auscultatory using cuff and stethoscope listening Korotkov sounds. Korotkov sounds, like oscillation, are generated in response to pulse as the artery is stressed and relaxed. The sensor in Digital Blood Pressure Monitor DS-700 plays the role of ears of doctors and nurses and the device detects Korotkov sounds and obtains blood pressure values from them. This principle of blood pressure determination is called Riva-Rocci Korotkov method.

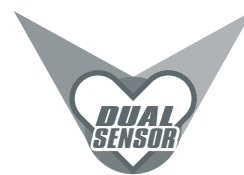


Digital Blood Pressure Monitor DS-700 is equipped with not only the sensor to catch Korotkov sounds but also the sensor to detect oscillations in the cuff pressure. Blood pressure is taken simultaneously using both Riva-Rocci Korotkov method and Oscillometric method. Therefore, even when the signals from the Korotkov sound are too weak or unclear, DS-700 is able to obtain the blood pressure values.

Product specifications

Model	DS-700
Principle of blood pressure measurement	Riva-Rocci Korotkov method and oscillometric method
Indicator	13 digit LCD
Pressure indication range	3 to 300 mmHg
Measuring range	50 to 250 mmHg (systolic) 40 to 180 mmHg (diastolic) 40 to 160 pulses/min (pulse rate)
Accuracy	+/- 3 mmHg (blood pressure) +/- 5 % of reading (pulse rate)
Inflation	automatic (air pump)
Deflation	automatic (electric control valve)
Exhaust	automatic (quick exhaust valve)
Power supply	4 AA alkaline (LR6) batteries
Memory	2 memory banks each with 30 measurements and their average
Operating environment	+10°C to +40°C, 30 to 85 % relative humidity (no condensation)
Transporting and storage environment	-20°C to +60°C, 10 to 95 % relative humidity (no condensation)
Applicable arm circumference	approximately 22 to 32 cm
Dimensions	approximately 140(W) x 135(H) x 51(D) mm
Weight	approximately 290 g, without batteries

Specifications are subject to change without prior notice due to improvements in performance and quality.



Dual Sensor

Determination of Blood Pressure
from Korotkov Sound and
Oscillation in the Artery



Super Comfort System

Unsurpassed Speed and Comfort



Irregular Pulse Rhythm Detection



Date and Time



Two Memory Banks

Used to Save Morning and Evening
Readings Separately or Used by a
Couple

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