

# DS-1902 Auto-inflate Blood Pressure Monitor

## for upper arm measurement

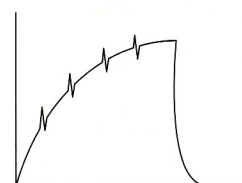
Blood pressure measurement has been causing not severe but yet a pain to some people, especially those who are hypotensive, because of unnecessary over pressurization of cuff. Even more, there might have been those who had higher blood pressure measurement results from excessive pressurization of cuff for blood pressure is easily influenced by emotional and physical factors.

DS-1902 Auto-inflate Blood Pressure Monitor has eliminated such irritation from cuff inflation by measuring at the time of inflation. Unlike regular blood pressure measurement that reads oscillation during deflation after cuff is inflated to a certain amount, the reading starts during inflation and it stops as the systolic blood pressure is taken, which is the end of measurement and the air in the cuff is rapidly exhausted immediately. In this measurement manner applied to DS-1902, the cuff inflation is so graduate and gentle that the measurement is done almost before you realize the inflation.

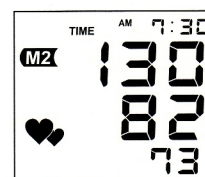
To achieve measurement in even less time, DS-1902 features what is called "personal mode". With this "personal mode", the inflation is carried out just to the appropriate amount at the ideal rate, which are determined from past three measurements. By arranging the inflated value and the inflation rate for each person, DS-1902 accomplished the embodiment of minimizing unnecessary inflation and therefore measuring time with maximizing measuring comfort.

"Irregular pulse rhythm indication" is employed with DS-1902 to ensure measuring in more correct manner as well as to suggest the possibility of arrhythmias. By displaying the irregular pulse rhythm indication, it is achieved to alert that the measurement was effected by talking or moving, which is one of the most significant artifacts causing incorrect measurement, yet it did not result in a measurement error.

The wide range cuff for DS-1902 has embodied this more advanced measurement of blood pressure to be applied to arm circumference of 23.0 cm to 43.0 cm without adopting a large size cuff.



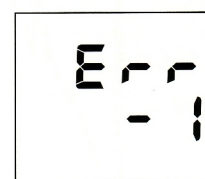
measurement during inflation



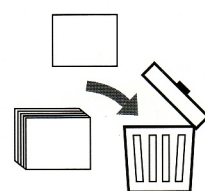
simultaneous measurement result display



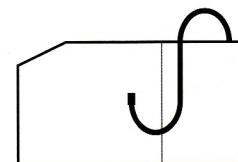
irregular pulse rhythm indication



error code display



stored data clear



wide range cuff that covers arm circumference of 23 to 43 cm

### Product specifications

Model	DS-1902
Principle of blood pressure measurement	oscillometric method
Indicator	12 digits liquid crystal display
Pressure indication range	0 to 300 mmHg
Measuring range	50 to 250 mmHg (systolic) 40 to 140 mmHg (diastolic) 40 to 160 pulses/min (pulse rate)
Accuracy	± 3 mmHg (blood pressure) ± 5 % of reading (pulse rate)
Inflation	automatic (air pump)
Exhaust	automatic quick exhaust valve
Power supply	4 pcs. 1.5 volt AA (R6P/LR6) batteries or AC adapter
Power consumption	4W (max.)
Memory	2 memory banks each with 30 measurement results and their average stored with memory delete and 1 neutral memory bank
Operating environment	+10°C to +40°C, 85 % relative humidity or below
Storage environment	-5°C to +50°C, 85 % relative humidity or below
Applicable arm circumference	23.0 to 43.0 cm
Dimensions	148 (W) x 115 (D) x 54 (H) mm
Weight	approximately 330 g, without batteries
Accessories	instruction manual, 4 AA batteries

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

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