

Optional Accessories



Intended use

Medical Purpose

The device is a digital monitor intended for use in measuring blood pressure and pulse rate in adult and pediatric patient population with arm circumference ranging from 12cm to 50cm (from 5 inches to 20 inches).

Patient Population

This device is intended for use on adults and children of age 3-years and older.

Environment

The instrument is designed for use in physicians' offices, hospitals, clinics and other medical facilities.

Measurement Parameter

■ Non-Invasive Blood Pressure ■ Pulse rate

Intended User

This device should be used by medical professionals

Specifications

Main unit

Measurement Parameter	NIBP, PR
Dimension	Main unit: 130 × 175 × 120 (mm) 5.12 × 6.89 × 4.72 (inch) (W×H×D) AC adapter: 55 × 25 × 70 (mm) 2.17 × 0.98 × 2.76 (inch) (W×H×D)
Weight	Main unit: Approx. 510 g (not including accessories and options) AC adapter: Approx. 42g
Display	7 segment LCD
Safety Standards	IEC60601-1:1988+A1:1991+A2:1995 Medical electrical equipment-Part1: General requirements for safety
Protection Class	Class II Internal powered equipment
Degree of Protection	Type BF
MDD Classification	Class II a

Power supply

AC adapter	Input voltage range: AC 100V to 240V Rated Current: 0.5 A Frequency: 50/60 Hz Output voltage range: DC 6V ±5%
Dry cell battery	Type: AA batteries, x4 Number of operation cycles when fully charged: 250 Measurement conditions - New battery fully charged (AA high-performance manganese) - Ambient temperature of 23°C (73.4°F) - Using M-size cuff - SYS120 / DIA80 / PR60 - One 5-minute cycle consisting of "cuff measurement time + wait time"

Non-Invasive Blood Pressure (NIBP)

Measurement technology	Oscillometric
Measurement method	Dynamic Linear Deflation method
Pressure display range	0 to 300 mmHg
Pressure display accuracy	Within ±3 mmHg or 2 %
NIBP measurement range	SYS 60 to 250 mmHg • DIA 40 to 200 mmHg • Pulse rate 40 to 200 /min
NIBP accuracy*	Maximum mean error within ±5mmHg • Maximum standard deviation within ±8mmHg
Pulse rate accuracy	Within ±5 % of reading
Reference standard:	IEC 80601-2-30:2009 • ANSI/AAMI SP-10:2002+A1:2003+A2: 2006/(R)2008 • ISO81060-2:2009

* Comparison with auscultation method performed by a trained professional. DIA determined by the auscultation method is "K5".

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OMRON

Automatic Blood Pressure Monitor HBP-1100

Enhanced monitoring features to assist the Doctors



Accuracy

Zero indicator

New G.S. Cuff

Auscultation mode

Simple user interface

All for Healthcare

AAMI Proven

CLINICALLY PROVEN ACCURATE PROVIDES FAST, RELIABLE RESULTS



No health risk:

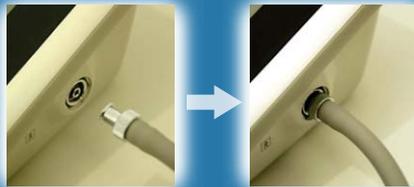
- No pain in hands and ears from repetitive use
- No risk of infections as it is easy to clean up
- Being Mercury free, it poses no risk to health and environment

Accuracy



- Clinically proven accuracy of results
- No calibration is required which results in high accuracy
- Zero indicator function
- Auscultation mode

Simpler interface



Professional grade cuff connector

- Easier and simpler user interface
- Large and standing display for ease to see
- Battery operations in case of black out
- High durability for repetitive use in medical environment

New GS cuff in Five sizes

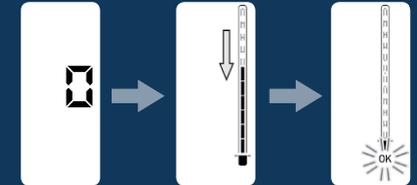


- Fan shaped cuff for a better fit while measurement
- 5 sizes available for all arm sizes including pediatric patients
- Non-latex, improved texture
- Easy to disinfect with alcohol
- Designed to match BP measurement flow

User-Friendly Features

HBP-1100 is an User-friendly device loaded with improved features.

• Zero indicator function



The device display "OK" sign when it is ready for measurement.

• Motion stop function

When body movement is detected, the device stops deflation for 5 seconds.

• Irregular pulse indicator

Helps identify changes in heart rate, rhythm, or pulse which may be caused by heart disease or other serious health issues.

• Splash-Proof



Splash-Proof body allows you to use without concern for accidental water spill.

• Last reading display

• Long battery life

Custom rechargeable battery that makes it possible to provide 300 measurements with one charge.

• Power saving auto power off

When the unit is powered by the optional battery pack, the power automatically turns off after the set time elapses should users forget to turn off the power.