

## 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 12 cm to 50 cm (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

Product description	OMRON Professional Blood Pressure Monitor
Model	HBP-1320
Measurement Parameter	NIBP, PR
Dimension	Main unit: 123 x 201 x 99 (mm) 4.84 x 7.91 x 3.90 (inch) (W x H x D) AC adapter: 46 x 66 x 37 (mm) 1.81 x 2.60 x 1.46 (inch) (W x H x D) Battery: 54 x 43.5 x 15.4 (mm) 2.13 x 1.71 x 0.61 (inch) (W x H x D)
Weight	Main unit: Approx. 0.52 kg (not including accessories and options) AC adapter: Approx. 0.2 kg Battery: Approx. 0.1 kg
Display	7 segment LCD
Protection Class	Class II (AC Adapter) Internal powered equipment (when operating with battery only)
Degree of Protection	Type BF (Applied part): Cuff
Operation Mode	Continuous operation
MDD Classification	Class II a

### POWER SUPPLY

AC adapter	Input voltage range: AC 100 V to 240 V Frequency: 50/60 Hz Output voltage range: DC 6 V $\pm$ 5% Rated output current: 1.6 A
Rechargeable battery	Type: 3.6 V, 1900 mAh Number of operation cycles when fully charged: 300 Measurement conditions <ul style="list-style-type: none"> <li>• New battery fully charged</li> <li>• Ambient temperature of 23°C (73.4°F)</li> <li>• Using M-size cuff</li> <li>• SYS 120 / DIA 80 / PR 60 (Inflation setting: AUTO)</li> <li>• One 5-minute cycle consisting of "cuff measurement time + wait time"</li> </ul>

### NON-INVASIVE BLOOD PRESSURE (NIBP)

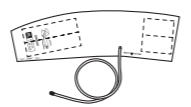
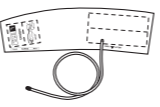
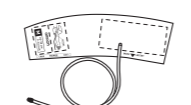
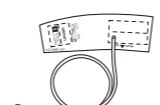
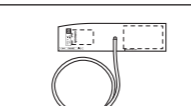
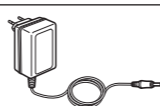
Measurement technology	Oscillometric
Measurement method	Dynamic Linear Deflation method
Pressure display range	0 to 300 mmHg
Pressure display accuracy	Within $\pm$ 3 mmHg
NIBP measurement range	SYS 60 to 250 mmHg DIA 40 to 200 mmHg Pulse rate 40 to 200 /min
NIBP accuracy*	Maximum mean error within $\pm$ 5mmHg Maximum standard deviation within 8mmHg
Pulse rate accuracy	Within $\pm$ 5 % of reading
Reference standard:	EN1060-1:1995+A2:2009 EN1060-3:1997+A2:2009 EN80601-2-30:2010+A1:2015 EN ISO 81060-2:2014

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

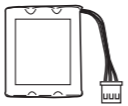
## OPTIONAL ACCESSORIES

### Optional Medical Accessories

(within the scope of EC Medical Device Directive 93/42/EEC)

	
<b>GS CUFF2 XL</b> HXA-GCFXL-PBAP (4601213-0)	<b>GS CUFF2 L</b> HXA-GCFL-PBAP (4601209-1)
	
<b>GS CUFF2 M</b> HXA-GCFM-PBAP (4601210-5)	<b>GS CUFF2 S</b> HXA-GCFS-PBAP (4601211-3)
	
<b>GS CUFF2 SS</b> HXA-GCFSS-PBAP (4601212-1)	<b>AC adapter</b> AC ADAPTER-E1600 60220H1040SW-E (9063658-2)

### Optional Accessory


<b>Battery pack</b> HXA-BAT-2000 (9065797-0)

### Other Optional for Australia


<b>AC adapter</b> HXA-ACADP-240AU (9908834-0)

### Caution

Only OMRON GS CUFF2 can be used with this device.  
The use of any other cuff may result in incorrect measurement.

# PROFESSIONAL BLOOD PRESSURE MONITOR **HBP-1320**

## Easy-to-use & Durable Automatic Blood Pressure Monitor



All for Healthcare

**STURDY**

**EASY-TO-USE**

**DURABLE**

## CLINICALLY PROVEN ACCURATE PROVIDES FAST, RELIABLE RESULTS

### An ideal assistant to nurses-

- \* No pain in the hands and ears from repetitive use
- \* Reduce individual difference in measurement method
- \* No risk of mercury leakage



## EASY-TO-USE

Designed for routine blood pressure measurements. Enhanced usability for nurses carrying the device from bed to bed and continuous blood pressure measurements.



### ERGONOMIC DESIGN

Compact and light weight (main unit weighs only 520g) design built with handle allows users to carry the device easily.

### BACKLIGHT

LCD display with backlight make it easier to view readings in dim areas, such as hospital wards at night.

### SIMPLE OPERATION

Large start button and 3 small buttons for less-frequently-used functions. The device realizes simple and enhanced usability at the same time.



## STURDY

Sturdy enough to survive accidental falls, and allow you to carry with ease.



### SHOCK-PROOF BUMPER

The shock-proof bumper protects the device from accidental falls. It won't break even if it falls from the bed!



### SPLASH-PROOF

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

## DURABLE

Durable enough to survive the heavy use in the hospitals.

### HIGHLY DURABLE PUMP/SENSOR

The device is equipped with highly durable pump and sensor for heavy duty usage in the medical environment.



Highly durable button

## USER-FRIENDLY FUNCTIONALITY

### DUAL MEASUREMENT MODE

Users can choose from two measurement modes- oscillometric measurement and auscultation (AUS mode) method with the latter using stethoscope.

### MOTION STOP FUNCTION

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

### IRREGULAR PULSE INDICATOR

(disabled when used with auscultation mode)- Helps identify changes in heart rate, rhythm, or pulse which may be caused by heart disease or other serious health issues.

### 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.

*When the unit is used with the AC adapter connected, the "Auto Power Off" setting does not operate.*