### 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)
  - AC adapter: 55 × 25 × 70 (mm)
- **Weight:**
  - Main unit: Approx. 510 g (not including accessories and options)
  - AC adapter: Approx. 42g
- **Display:** 7 segment LCD
- **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
  - Measurements conditions:
    - New battery fully charged
    - AA high-performance manganese
    - Ambient temperature of 23°C (73.4°F)
    - Using M-size cuff
    - SYS 120 / DIA 80 / PR 60
    - 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


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

### Optional Accessories

- AC Adapter
- GS CUFF XL: HXA-GCUFF-XL
- GS CUFF L: HXA-GCUFF-L
- GS CUFF M: HXA-GCUFF-M
- GS CUFF S: HXA-GCUFF-S
- GS CUFF SS: HXA-GCUFF-SSL
- Instruction Manual

### Accuracy

- Zero indicator

### New G.S. Cuff

### Auscultation mode

### Simple user interface

### All for Healthcare

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AAMI Proven
Accuracy
- Clinically proven accuracy of results
- No calibration is required which results in high accuracy
- Zero indicator function
- Ascultation mode

Simpler interface
- 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

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

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.