

**OMRON**

# Digital Automatic Blood Pressure Monitor

MODEL **HEM-907**



Designed for Clinical Use

- Accurate and reliable
- Dual measurement mode
- Environment friendly, mercury-free
- Easy for operation and training
- Quiet, ideal for clinical environment

All for Healthcare

**AAMI Precision Standards**

# Smart Features Ideal for Clinical Use

There is increasing concern in the clinical environment over the handling of mercury spills and maintenance of equipment containing mercury. Worldwide regulation to reduce release of harmful material into the environment, including mercury has hastened the imminent need for accurate mercury-free blood pressure meters.



## 1. Accuracy and Precision

OMRON HEM-907 complies with AAMI\* standards for accuracy in automatic blood pressure measurement. Based on advanced oscillometric measurement method and enhanced with Omron's fuzzy logic technology, the monitor provides easy and accurate blood pressure readings at all times. (\*AAMI: Association for the Advancement of Medical Instrumentation – USA)

## 2. Easy to Operate

Using advanced fuzzy logic technology, HEM-907 can determine ideal cuff inflation based on patient arm size and blood pressure fluctuation. Deflation speed is also automatically optimized. To measure from arm circumferences of 17 to 42 cm, S, M and L sizes of cuffs are available. The simple push-button operation also makes training of clinical staff fast and easy.

## 3. Dual Measurement Mode

Users can choose from two measurement modes. One is the oscillometric measurement method (AUTO mode) and the other is auscultation method using stethoscope (MANU mode).

### AUTO mode (Automatic Oscillometric)

Cuff is automatically inflated to the optimal pressure according to each patient's condition. In this mode, you can select the following:

- Number of consecutive measurements (1, 2 or 3 times)
- View average measurement reading
- Waiting time before start of measurement (Immediate 3, 5, or 10 minutes)
- Interval time between measurements (5 or 30 seconds, 1, 2 or 3 minutes)

### MANU mode (Auscultation mode)

This unit can measure blood pressure with the use of a stethoscope. The unit inflates and deflates the cuff automatically, then displays the pressure values. The pulse rate can be synchronized with the pressure as it is digitally displayed.

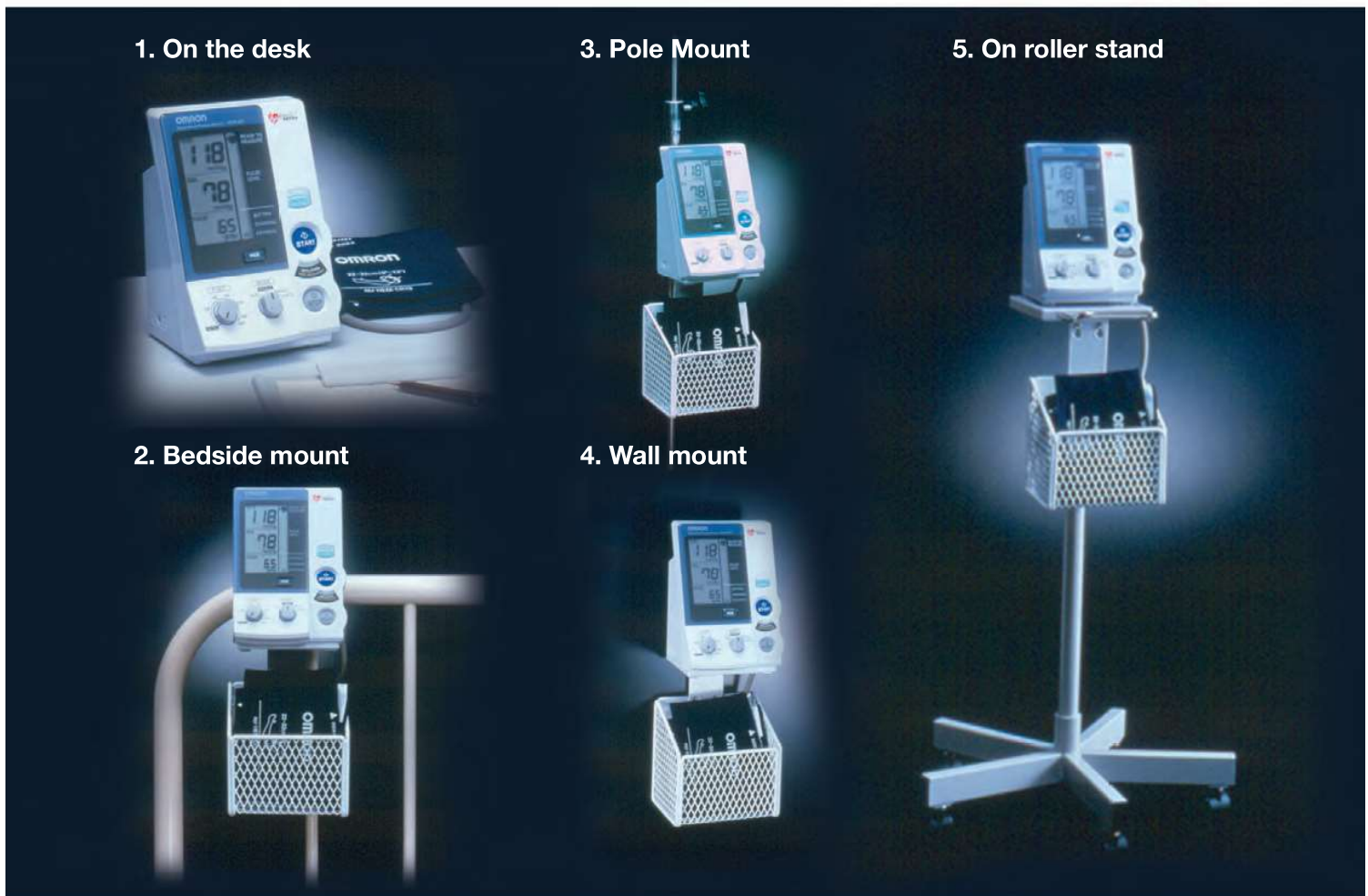
## 4. Quiet Operation System

HEM-907 operates quietly, thereby reducing stress on patient and clinical staff. The quiet system also makes it suitable for night time use by the patient's bedside.

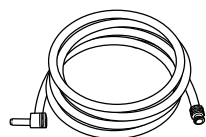
## 5. Compact, Space-saving Design

The main unit is lightweight (only about 0.9 kg) and can be moved around easily. Its compact shape easily fits in consultation rooms, by the patient's bedside, mounted on walls, or even poles. For greater mobility, you may also select to use an optional rechargeable battery for cordless operation.

## Examples of Installation in the Clinical Environment

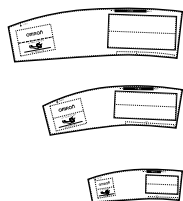


## Optional Accessories



Air tube 1.0m  
Model: HEM-TUBE-100

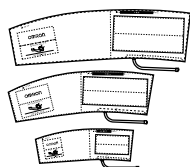
Air tube 1.3m  
Model: HEM-TUBE-130



Cuff L (without bladder)  
Model: HEM-907-CUFFL

Cuff M (without bladder)  
Model: HEM-907-CUFFM

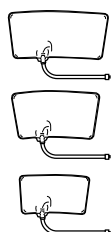
Cuff S (without bladder)  
Model: HEM-CUFFS



Cuff/bladder set L  
Model: HEM-907-CL19  
Applicable arm  
circumference 32 to 42 cm

Cuff/bladder set M  
Model: HEM-907-CR19  
Applicable arm  
circumference 22 to 32 cm

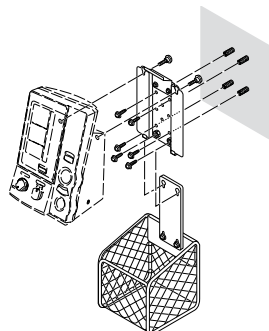
Cuff/bladder set S  
Model: HEM-907-CS19  
Applicable arm  
circumference 17 to 22 cm



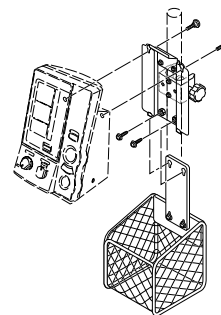
Bladder L  
Model: HEM-907-BLDRL

Bladder M  
Model: HEM-907-BLDRM

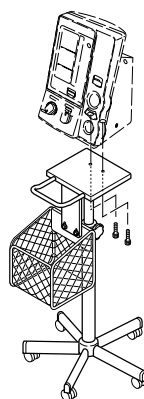
Bladder S  
Model: HEM-907-BLDRS



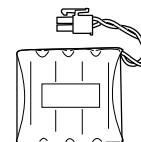
Wall-hanging kit  
Model: HEM-907-WKIT



Pole-mounting kit  
Model: HEM-907-PKIT



Exclusive roller stand  
Model: HEM-907-STAND



Battery pack (48H907N)  
HEM-907-PBAT

## Specifications

Name	Omron Digital Automatic Blood Pressure
Model	HEM-907
Display	Digital Display
Measurement Method	Oscillometric
Measurement Range	Pressure 0 to 299 mmHg Pulse rate 30 to 199 beats/min
Accuracy	Pressure Within $\pm 4$ mmHg Pulse: Within $\pm 5\%$ of reading
Inflation	Automatic inflation pump
Deflation	Automatic deflation by electromagnetic control valve
Air Release	Automatic rapid air release by electromagnetic control valve
Pressure Detection	Electrostatic capacity semi-conductor pressure sensor
Power Supply	AC adapter (230 $\pm$ 10VAC, 50/60Hz or 110VAC, 60Hz or 240 $\pm$ 10VAC, 50Hz)* Or optional battery pack (4.8 VDC, 6W)
Electric Shock Protection	Class II B type
Operation Temperature and Humidity	10° to 40° C 30 to 55%RH
Weight of Main Unit	Approx: 910g
External Dimensions	Approx: 139(W) X 203(H) X 131(D)mm
Accessories Included	Cuff/bladder set M, AC adapter, air tube (1.0m), Instruction Manual

\* Please note that specifications may be changed without prior notice.

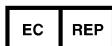
\* Please refer to local distributor for the appropriate AC adapter required in your country.

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