HEM-907XL

Product Specifications

Name: OMRON Digital Automatic Blood Pressure Monitor
Model: HEM-907XL
Display: Digital Display
Measurement: Oscillographic method
Measurement Range:
- Blood Pressure: 0 to 299 mmHg
- Pulse Rate: 30 to 199 beats/min
Accuracy:
- Blood Pressure: Within ±3 mmHg or 2% of reading
- Pulse Rate: Within ±0.1% of reading
Inflation: Automatic inflation with pumping
Deflation: Automatic deflation by electromagnetic control valve
Air Release: Automatic rapid air release by electromagnetic control valve
Pressure Detection: Electromagnetic capacitance semiconductor pressure sensor
Power supply: AC adapter (120VAC, 60 Hz, 13 W) or (120VAC, 50Hz, 0.24) Battery pack (4.8VDC, 0.08W)
Electric Shock Protection Method: Class II type
Operating Temperature and Humidity:
- Temperature: 50°F to 104°F (10 to 40°C), 30 to 85% RH
- RH: 85% Rating
Weight of Main Unit: Approx. 1.2 oz (34g)
External Dimensions:
- Approx. 5.1” (W) x 8.7” (H) x 3.1” (D)
- 139 (W) x 203 (H) x 131 (D) mm
Complies with:
- General requirements for safety
- IEC-60601-1-2:1999
- Electromagnetic compatibility - Requirements and tests
- AAMI SP10 1992
- Manual, Electronic or Automated Sphygmomanometers

Package Contents:
- Blood Pressure Monitor
- Cuffs (Extra Large, Large, Medium, and Small) and Bladder Set, 1 m Air Tube,
- AC Adapter, and Battery Pack

Accessories:

- HEM-907-CQ19: Cuff and Bladder Set, Small, 17-22 cm circumference
- HEM-907-CR19: Cuff and Bladder Set, Medium, 22-32 cm circumference
- HEM-907-CL19: Cuff and Bladder Set, Large, 32-42 cm circumference
- HEM-907-CX19: Cuff and Bladder Set, Extra large, 42-50 cm circumference with integrated air tube
- HEM-TUBE-130: Air Tube, 13 cm, Working Length for small, medium, and large cuffs

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Accuracy Healthcare Professionals Trust

The HEM-907XL Professional Blood Pressure Monitor is designed for clinical use in professional settings, including physicians’ offices, hospitals and other point of care environments. Because hypertension affects nearly one in three Americans\(^1\), it is vitally important to have a reliable instrument to help accurately diagnose this condition.

Gold Standard Accuracy
- Pressure: within ± 3mmHg or 2%\(^2\)
- Pulse rate: within ± 5% of reading
- Utilized in large scale national clinical trials
- ACCORD\(^3\) and SANDS\(^4\)

Versatility Healthcare Professionals Expect

The HEM-907XL Professional Blood Pressure Monitor provides unique features to meet your individual patient needs giving you the flexibility to efficiently customize your diagnostic approach.

4 Cuffs Included
- Cuff sizes covering a range of 17-50 cm (7” to 20”) to accommodate most users
- 4 cuffs included with the unit (small, medium, large, extra large)
- Enables accurate readings on virtually all patients

IntelliSense\(^®\) Technology
- Uses IntelliSense\(^®\) technology to automatically determine the correct amount of pressure, resulting in a faster and more comfortable blood pressure measurement for your patients

Irregular Pulse Indicator
- Indicates a difference in rhythm that is more than 25% slower or faster from the average
- Displays the number of irregular pulse waves
- Helps identify changes in heart rate, rhythm, or pulse which may be caused by heart disease or other serious health issues\(^2\)

Ease of Use
- One button operation
- Battery or AC adapter
- Large and easy to read display
- Automatic-off (after 5 minutes of inactivity)

5 Year Limited Warranty

HEM-907XL

HEM-907XL with wall mount option
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**3 Modes of Operation**

- Single Mode takes one-time measurement automatically
- Average Mode takes 2 or 3 readings and calculates the average automatically and provides the patient’s most accurate measurement
- Auscultation (Manual) Mode enables the use of auscultation technique (using a stethoscope) with added benefits of automatic inflation/deflation with digital display

**5 Year Limited Warranty**

HEM-907XL

HEM-907XL with wall mount option

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**Product Specifications**

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Pulse rate: 30 to 199 beats/min |
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| Inflation: | Automatic inflation with pumping |
| Definition: | 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 (120VAC, 60 Hz, 13 W) or (120VAC, 50Hz, 0.24) Battery pack (4.8VDC, 0.8W) |
| Electric Shock Protection Method: | Class II type |
| Operating Temperature and Humidity: | 50°F to 104°F (10 to 40°C), 30 to 85% RH, 85% Relative Humidity |
| Weight of Main Unit: | Approx. 3.2 oz (91g) |
| External Dimensions: | Approx. 5.1/2”(W) x 1.8”(D) x 3.1/2”(H) |
| | 139(W) x 220 (D) x 131 (H) mm |
General requirements for safety  
IEC 60601-1-2:1993  
Electromagnetic compatibility - Requirements and tests  
AANP SP 10 1992  
Manuale, Electronic or Automated Sphygmomanometers |
| Package Contents: | Blood Pressure Monitor Cuffs (Extra Large, Large, Medium, and Small) and Bladder Set, 1.3m Air Tube,  
AC Adapter, and Battery Pack |

**Accessories:**

- **HEM-907-C519**: Cuff and Bladder Set, Small, 17-22 cm circumference
- **HEM-907-C919**: Cuff and Bladder Set, Medium, 22-32 cm circumference
- **HEM-907-C19**: Cuff and Bladder Set, Large, 32-42 cm circumference
- **HEM-907-CX19**: Cuff and Bladder Set, Extra Large, 42-50 cm circumference with integrated air tube
- **HEM-TUBE-310**: Air Tube, 1.3cm Working Length for small, medium, and large cuffs
- **HEM-STAND**: Stand
- **HEM-WKIT**: Wall Mounting Kit
- **HEM-PKIT**: Pole Mounting Kit
- **HEM-PRAT**: Battery Pack
- **HEM-ADPT-907**: AC Adapter

3. The Journal of Clinical Hypertension April 2009 p 142

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