



Health Technology Review	
Technology Ref.:	HTA22026
Technology Name:	Omron Hem 907 Blood Pressure Monitor
Approvals by International Bodies:	MoHAP - Association for Advancement of Medical Instruments (AAMI), British Hypertension Society (BHS) and European Society of Hypertension - International Protocol ESH-IP
Company name:	United Arab Emirates University
Agent in UAE:	Ayesha Salem Al Dhaheri
Email:	ayasha_aldhaheri@uaeu.ac.ae

Short Description of the Technology:	Get more confident blood pressure readings in an easier way with this practical digital upgrade, a smart choice for clinicians in any setting. The device has Gold Standard Accuracy and is Validated according to Internationally accepted protocols by the Association for Advancement of Medical Instruments (AAMI), British Hypertension Society (BHS) and European Society of Hypertension -International Protocol ESH-IP. It UsesIntelliSense® technology to automatically determine the correct amount of pressure, resulting in a faster and more comfortable blood pressure measurement for patients/ participants.
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Health Technology Assessment Team Recommendation:	Approve
Summary of Review:	
The device HEM-907 Upper Arm Blood Pressure Monitor is a clinically validated, it measures the brachial blood pressure and pulse rate in a non-invasive manner. The device can be used in physicians' offices, hospitals, clinics and other medical facilities. The innovative aspect is that Omron Hem 907 is using the UsesIntelliSense® technology which is a Bio-information sensing technology for Accuracy, Comfort and Ease of use. The IntelliSense™ Monitor inflates the cuff to the ideal level with each use. No adjustments are required by the user to select an inflation level.	
Advantages	Disadvantages
Portable; Easy to use	It's for Clinical Use only, it is designed for clinical use in a professional setting including a physician's office, hospital or other point-of-care
Environment friendly – mercury-free.	Expensive in comparison to BPM products
Detect irregular heartbeats	
The blood pressure level indicator helps in easy interpretation of results that can aid patients in taking preventive measures in case the readings are higher than normal	
Blood Pressure Monitors (BPM) with Intellisense technology that enables the devices to inflate and deflate at the optimum level for	

each individual user, offering accurate reading	
Validated; it meets the American Medical Association's criteria for clinical accuracy	
Accuracy: three modes of OPERATION: single mode takes a One-Time measurement; average mode takes 2 or 3 readings and calculates average; and auscultation mode enables manual use of a stethoscope	

We recommend an **approval of using this technology** with the following conditions:

1. The medical Device shall be used in clinical settings including physicians' offices, hospitals and other point of care environments.
2. Establishing a proper quality monitoring process and reporting of any adverse events or unwarranted consequences including safety issues of employees.
3. Use of the product is initially limited under the supervision of authorized COVID-19 laboratory.
4. Provision of regular updates and reports about the product to DOH upon request.
5. Any other documents or information requested regarding the product and cost to finalize the approval process.

Moreover, DOH has the right to stop the product at any stage if deemed necessary, initial conditions and any subsequent conditions must be satisfied before obtaining final approval. Failure to do so will reflect in provoking the approval.

Technology Image





Population, setting and intended user for Technology “Omron Hem 907 Blood Pressure Monitor”

- **Population/ Intended User;**
 - Patient with high blood pressure (hypertension)
 - Screening
- **To be performed by:**
 - By Healthcare Professional
- **Clinical Setting:**
 - clinical use in professional settings, including physicians’ offices, hospitals and other point of care environments
- **Condition of use:**
 - Shall be used in clinical setting only.
- **Exclusion criteria:**
 - Other conflicting medical issues