

Report No. 24PTP\_01PM04240136

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# **Preventive Maintenance Action Report**

EQUIPMENT : INFUSION PUMPS, ENTERAL FEEDING

ID CODE : PTP04530

MANUFACTURER : HAWKMED

MODEL : HK-300

SERIAL No. : 01163095

LOCATION : I.C.U

SUBMITTED BY : PHYATHAI PHAHOLYOTHIN HOSPITAL

670/1 Phaholyothin Road, Samsen Nai, Phaya Thai, Bangkok 10400

Tel: 02-271-7000 Fax: -

PM. DATE : 18 APRIL 2024

ISSUE DATE : 3 MAY 2024

Chakkaphan

CHAKKAPHAN KHAMPHUMI

Approved by :

PHUWASIN YIWKIM

### **CONDITION OF THIS RESULT OF TEST**

Performed by:

#### 1. REFERENCE STANDARD INSTRUMENT:

MASTERMANUFACTURERMODELSERIAL NO.CERTIFICATE NO.DUE DATEElectrical SafetyFlukeESA615349403423MD7747 Jun 2024Analyzer

### 2. THIS CERTIFICATION IS TRACEABLE TO:

- Technology Promotion Association (Thai-Japan)

# 3. THIS RESULT OF TEST WAS FOUND ACCURATE AS SHOW ON DATE AND PLACE OF TEST ONLY



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## 1. Qualitative Tests

No.	List	Pass	Fail	None	Comment
1	Chassis/Housing	/			
2	Mount/Fasteners	/			
3	Casters/Brakes			/	
4	AC Plug	/			
5	Line Cord	/			
6	Strain Reliefs	/			
7	Controls/Switches	/			
8	Battery/Charger	/			
9	Indicators/Displays	/			
10	Self-Test	/			
11	Time/Date Settings	/			
12	Cybersecurity			/	
13	Alarms	/			
14	Open Door/Misloaded Infusion Set	/			
15	Free-flow Prevention Mechanism(s)	/			
16	Infusion Complete	/			
17	Labeling	/			
18	Accessories	/			

### 2. Quantitative Tests

No.	List	Pass	Fail	None	Comment
1	Grounding Resistance ≤0.5 Ω			/	
2	Chassis Leakage Current ≤500 μA	/			18.3 μΑ
3	Flow Accuracy ±10%	/			

#### 3. Preventive Maintenance

No.	List	Pass	Fail	None	Comment
1	Clean the exterior and accessories	/			
2	Lubricate			/	
3	Adjust			/	
4	Replace			/	



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Electrical Safety Test: Master used Electrical Safety Analyzer (Metron / QA-90) according to IEC.60601.1

FI-BME-NHS-CP-072/3 Rev.03 Page 3/3 Issued Date 20/07/2023