

Report No. 24PTP\_01PM04240121

Page 1 of 3

# **Preventive Maintenance Action Report**

EQUIPMENT : INFUSION PUMPS, SYRINGE

ID CODE : PTP00288 MANUFACTURER : TERUMO

MODEL : TE-331

SERIAL No. : 1207000232

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

Performed by:

CHAKKAPHAN KHAMPHUMI

Approved by :

PHUWASIN YIWKIM

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

1. REFERENCE STANDARD INSTRUMENT:

MASTERMANUFACTURERMODELSERIAL NO.CERTIFICATE NO.DUE DATEElectrical SafetyFlukeESA615349403423MD7747 Jun 2024

Analyzer

#### 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



Report No. 24PTP\_01PM04240121

Page 2 of 3

## **Preventive Maintenance Action Report**

EQUIPMENT : INFUSION PUMPS, SYRINGE

ID CODE : PTP00288

SERIAL No. : 1207000232

#### 1. Qualitative Tests

No.	List	Pass	Fail	None	Comment
1	Chassis/Housing	/			
2	Mount	/			
3	Casters/Brakes			/	
4	AC Plug	/			
5	Line Cord	/			
6	Strain Reliefs	/			
7	Fittings/Connectors	/			
8	Controls/Switches	/			
9	Battery	/			
10	Indicators/Displays	/			
11	Self-Test	/			
12	Time/Date Settings			/	
13	Cybersecurity			/	
14	Alarms	/			
15	Syringe Detection	/			
16	Empty Syringe	/			
17	Occlusion	/			
18	Infusion Complete	/			
19	Nurse Call (verify only if this function is used)			/	
20	Labeling	/			
21	Accessories	/			

#### 2. Quantitative Tests

No.	List	Pass	Fail	None	Comment
1	Grounding Resistance ≤0.5 Ω	/			0.342 Ω
2	Chassis Leakage Current ≤500 μA	/			59.3 μΑ
3	Flow Accuracy ±5%	/			
4	Occlusion Pressure Alarm <1000 mmHg	/			

#### 3. Preventive Maintenance

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



Report No. 24PTP\_01PM04240121

Page 3 of 3

### **Preventive Maintenance Action Report**

EQUIPMENT : INFUSION PUMPS, SYRINGE

ID CODE : PTP00288

SERIAL No. : 1207000232

#### 3. Preventive Maintenance (Continues)

No.	List	Pass	Fail	None	Comment
3	Adjust			/	
4	Replace			/	

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

FI-BME-NHS-CP-011/7 Rev.03 Page 3/3 Issued Date 20/07/2023