

Report No. 24PTP\_01PM04240367

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# **Preventive Maintenance Action Report**

EQUIPMENT : WARMING/COOLING UNITS, PATIENT, CIRCULATING-

LIQUID

ID CODE : PTP02532

MANUFACTURER : CSZ

MODEL : BLANKETROL III

SERIAL No. : 083-19368

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 : 26 APRIL 2024

ISSUE DATE : 1 MAY 2024

Performed by:

Approved by:

KANITTHA SRIPRAPAD PHUWASIN YIWKIM

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

#### 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	/			
3	Casters/Brakes	/			
4	AC Plug	/			
5	Line Cord	/			
6	Strain Reliefs	/			
7	Circuit Breaker/Fuse	/			
8	Tubes/Hoses	/			
9	Fittings/Connectors	/			
10	Probes	/			
11	Filters	/			
12	Controls/Switches	/			
13	Heater	/			
14	Motor/Pump/Fan/Compressor	/			
15	Fluid Levels	/			
16	Indicators/Displays	/			
17	Self-Test	/			
18	Time/Date Settings			/	
19	Alarms/Interlocks	/			
20	Audible Signals	/			
21	Labeling	/			
22	Blankets	/			
23	Cybersecurity			/	

### 2. Quantitative Tests

No.	List	Pass	Fail	None	Comment
1	Grounding Resistance $\leq 0.5 \Omega$	/			0.318 Ω
2	Chassis Leakage Current ≤500 μA	/			107.5 μΑ
3	High-Temperature Protection ≤43°C or	/			
	manufacturer specification				
4	Low Temperature Protection ±1°C of mfr spec	/			
5	Fluid Temperature Display ±1°C	/			
6	Patient Temperature Display and Probe ±1°C			/	



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#### 2. Quantitative Tests (Continues)

No.	List	Pass	Fail	None	Comment
7	Automatic Controller Switching ±0.5°C or mfr	/			
	spec				
8	Fluid Flow Unit alarms; mfr flow spec, if indicated	/			

#### 3. Preventive Maintenance

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

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

2301/2 New Petchburi Soi 47 (soonvijai), Bangkapi, Huaykwang, Bangkok 10310 Tel: (66) 2762 4000 Fax: (66) 2762 4072

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