

Report No.

24PTP_01PM04240008

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Preventive Maintenance Action Report

EQUIPMENT : DEFIBRILLATORS, EXTERNAL, AUTOMATED

ID CODE : PTP02188

MANUFACTURER : ZOLL

MODEL : AED PLUS

SERIAL No. : X15I784217

LOCATION : Emergency & Ambulance

SUBMITTED BY : PHYATHAI PHAHOLYOTHIN HOSPITAL

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

Tel: 02-271-7000 Fax: -

PM. DATE : 16 APRIL 2024

ISSUE DATE : 1 MAY 2024

Supatcha

Performed by : _____ Approved by : _____

SUPATCHA BUAPUEAN

PHUWASIN YIWKIM

CONDITION OF THIS RESULT OF TEST

1. REFERENCE STANDARD INSTRUMENT:

MASTER MANUFACTURER MODEL SERIAL NO. CERTIFICATE NO. DUE DATE

2. THIS CERTIFICATION IS TRACEABLE TO:

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	Receptacles			/	
6	Line Cord			/	
7	Strain Reliefs			/	
8	Cables	/			
9	Fittings/Connectors	/			
10	Paddles/Electrodes	/			
11	Controls/Switches	/			
12	Recorder (ECG)			/	
13	Lead Continuity (ECG)			/	
14	Data Recording			/	
15	Battery/Charger	/			
16	Indicators/Displays	/			
17	Self-Test	/			
18	Time/Date Settings			/	
19	Cybersecurity			/	
20	Synchronized Cardioverter			/	
21	Integral Output Tester			/	
22	Alarms	/			
23	Pacemaker Demand-Mode Activation/Inhibition			/	
24	Audible Signals	/			
25	Labeling	/			
26	Accessories	/			

2. Quantitative Tests

No.	List	Pass	Fail	None	Comment
1	Grounding Resistance ≤0.5Ω			/	
2	Chassis Leakage Current ≤500µA			/	
3	Lead -to-Ground Leakage Current ≤100µA			/	
	grounded; ≤500µA ungrounded				



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2. Quantitative Tests (Continues)

No.	List	Pass	Fail	None	Comment
4	Manual Mode Defibrillator Output ±4 J low; ±15%			/	
	high				
5	Automated Mode Analysis and Defibrillator Output	/			
	per mfr/hosp policy				
6	Multiple Discharge Output Energy and Charge			/	
	Time $\pm 15\%$, ≤ 10 sec				
7	Pediatric Mode Output Energy ≤50 J			/	
8	Internal Paddle Energy Limit ≤50 J			/	
9	Energy after 50 Sec (Manual Mode) ≥85%			/	
10	Synchronized Cardioverter Operation ≤60 msec			/	
	after R-wave				
11	Paper Speed ±2%			/	
12	Heart Rate ±5%			/	
13	Heart Rate Alarm			/	
14	Pacing Rate ±5%			/	
15	Pacing Amplitude ±10%			/	
16	Pacing Pulse Width ±10%			/	
17	Demand-Mode Sensitivity ≤0.5 mV or mfr spec			/	

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$