

Report No. 24PTP\_01PM04240078

Page 1 of 3

# **Preventive Maintenance Action Report**

EQUIPMENT : DETECTORS, FETAL HEART, ULTRASONIC

ID CODE : PTP00951

MANUFACTURER : EDAN

MODEL : F9

SERIAL No. : 560154-M15202290001

LOCATION : Labour Room

SUBMITTED BY : PHYATHAI PHAHOLYOTHIN HOSPITAL

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

Tel: 02-271-7000 Fax: -

PM. DATE : 17 APRIL 2024

ISSUE DATE : 1 MAY 2024

Performed by: \_\_\_\_\_ Approved by:

USANEE CHALONGPHOKSILCHAI 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



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Page 2 of 3

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#### 1. Qualitative Tests

No.	List	Pass	Fail	None	Comment
1	Chassis/Housing	/			
2	Mount	/			
3	Casters/Wheels/Brakes	/			
4	AC Plug	/			
5	Line Cord	/			
6	Strain Reliefs	/			
7	Circuit Breaker/Fuse	/			
8	Cables	/			
9	Fittings/Connectors	/			
10	Electrodes/Transducers	/			
11	Controls/Switches	/			
12	Fan	/			
13	Battery	/			
14	Indicators/Displays	/			
15	Self-Test	/			
16	Time/Date Settings	/			
17	Connectivity	/			
18	Cybersecurity			/	
19	Recorder/Printer	/			
20	Alarms/Interlocks	/			
21	Audible Signals	/			
22	Labeling	/			
23	Accessories	/			

### 2. Quantitative Tests

No.	List	Pass	Fail	None	Comment	
1	Grounding Resistance $\leq 0.5 \Omega$	/			0.253 Ω	
2	Chassis Leakage Current ≤500 µA	/			114.7 μΑ	
3	Lead-to-Ground Leakage Current (Isolated Lead)			/		
	≤100 μA (grounded); ≤500 μA (ungrounded)					
4	Rate Calibration ±5% or 5 bpm at 60 bpm and 120	/				
	bpm					
5	Rate Alarm ±5% or 5 bpm at 40 and 120 bpm	/				



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Page 3 of 3

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#### 2. Quantitative Tests (Continues)

No.	List	Pass	Fail	None	Comment
6	Intrauterine Pressure (IUP) Transducer ±2 mm			/	
7	Gain ±10%			/	
8	QRS Sensitivity ≥0.15 mV			/	
9	Paper Speed ±2%			/	
10	Alarm Delay ≤10 sec	/			

#### 3. Preventive Maintenance

N	lo.	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

FI-BME-NSH-CP-021/3 Rev.03 Page 3/3 Issued Date 20/07/2023