

Report No.

24PTP_01PM04240097

Page 1 of 3

Preventive Maintenance Action Report

EQUIPMENT : DETECTORS, FETAL HEART, ULTRASONIC

ID CODE : PTP00021

MANUFACTURER : TOITU

MODEL : FD-380

SERIAL No. : 9520B62

LOCATION : Obstetric & Gynecology Center

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

Supatcha

Performed by : _____ Approved by : ____

SUPATCHA BUAPUEAN

3,1024

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



Report No. 24PTP_01PM04240097

Page 2 of 3

Preventive Maintenance Action Report

EQUIPMENT : DETECTORS, FETAL HEART, ULTRASONIC

ID CODE : PTP00021 SERIAL No. : 9520B62

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 $\leq 0.5 \Omega$ | | | / | |
| 2 | Chassis Leakage Current ≤500 µA | | | / | |
| 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 | | | / | |
| | | | | | |



Report No. 24PTP_01PM04240097

Page 3 of 3

Preventive Maintenance Action Report

EQUIPMENT : DETECTORS, FETAL HEART, ULTRASONIC

ID CODE : PTP00021 SERIAL No. : 9520B62

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

| | No. | List | Pass | Fail | None | Comment |
|---|-----|------------------------------------|------|------|------|---------|
| | 1 | Clean the exterior and accessories | / | | | |
| | 2 | Lubricate | | | / | |
| | 3 | Adjust | | | / | |
| ſ | 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