

Report No. 24PTP_01PM04240310

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Preventive Maintenance Action Report

EQUIPMENT : MONITORS, PHYSIOLOGIC, VITAL SIGNS

ID CODE : PTP03903

MANUFACTURER : KTMED

MODEL : KTPM-1000

SERIAL No. : ZC1100111

LOCATION : Check Up Center

SUBMITTED BY : PHYATHAI PHAHOLYOTHIN HOSPITAL

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

Tel: 02-271-7000 Fax: -

PM. DATE : 25 APRIL 2024

ISSUE DATE : 3 MAY 2024

Supatcha

Performed by : _____ Approved by : _____

SUPATCHA BUAPUEAN 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/Fasteners | / | | | |
| 3 | Casters/Brakes | / | | | |
| 4 | AC Plug | / | | | |
| 5 | Line Cord | / | | | |
| 6 | Strain Reliefs | / | | | |
| 7 | Circuit Breaker/Fuse | / | | | |
| 8 | Tubes/Bulbs | / | | | |
| 9 | Fittings/Connectors | / | | | |
| 10 | Transducers | / | | | |
| 11 | Controls/Switches | / | | | |
| 12 | Battery/Charger | | | / | |
| 13 | Time/Date Settings | / | | | |
| 14 | Cybersecurity | | | / | |
| 15 | User Calibration/Self-Test | / | | | |
| 16 | Alarms | / | | | |
| 17 | Labeling | / | | | |
| 18 | Accessories | / | | | |

2. Quantitative Tests

| No. | List | Pass | Fail | None | Comment |
|-----|-------------------------------------|------|------|------|---------|
| 1 | Grounding Resistance ≤0.5 Ω | | | / | |
| 2 | Chassis Leakage Current ≤500 µA | / | | | 29.4 μΑ |
| 3 | Air Leakage ≤15 mmHg/min | / | | | |
| 4 | Static Pressure Accuracy ±3 mmHg or | / | | | |
| | *Oscillometric Pressure ±8 mmHg | | | | |
| 5 | Maximum Pressure (NIBP) ≤330 mmHg | / | | | |
| 6 | Heart Rate ±10% | / | | | |

3. Preventive Maintenance

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



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3. Preventive Maintenance (Continues)

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

4. Remark Battery เสือมสภาพ

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