

Report No. 24PTP\_01PM04240222

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# **Preventive Maintenance Action Report**

EQUIPMENT : MONITORS, PHYSIOLOGIC, VITAL SIGNS

ID CODE : PTP03481

MANUFACTURER : WELCH ALLYN

MODEL : CONNEX SPOT MONITOR

SERIAL No. : 100019052317

LOCATION : Dental & Implant Center

SUBMITTED BY : PHYATHAI PHAHOLYOTHIN HOSPITAL

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

Tel: 02-271-7000 Fax: -

PM. DATE : 22 APRIL 2024 ISSUE DATE : 30 APRIL 2024

USANEE CHALONGPHOKSILCHAI

Performed by:

Approved by :

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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### 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     | /    |      |      | 46.3 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 |      |      | /    |         |

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

FI-BME-NHS-CP-007/3 Rev.03 Page 3/3 Issued Date 20/07/2023