

Certificate No.

24PYT3_DEC12240036

Page 1 of 3

Certificate of Calibration

EQUIPMENT : MONITORS, PHYSIOLOGIC, VITAL SIGNS

ID CODE : PYT3_08755

MANUFACTURER : EDAN

MODEL : M3A

SERIAL No. : 360125-M22916330010

LOCATION : WARD 9

SUBMITTED BY : PHYATHAI 3 HOSPITAL

111 Phet Kasem Rd., Pak Khlong Phasi Charoen, Phasi Charoen Bangkok 10160

Tel: (662) 467-1111 Fax: (622) 467-1111

CALIBRATED DATE : 1 DECEMBER 2024

ISSUE DATE : 30 DECEMBER 2024

Performed by : Approved by : PUKARIN TONGKLIANG

SOM KONKAEW PUKARIN TONGKLIANG

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CONDITION OF THIS RESULT OF TEST

1. REFERENCE STANDARD INSTRUMENT:

MASTERMANUFACTURERMODELSERIAL NO.CERTIFICATE NO.DUE DATETester, Vital SignFLUKEPROSIM 8570205924MD54530 Apr 2025

Simulator

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

Calibration Report

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DATE OF CALIBRATION : 1 DECEMBER 2024

ENVIRONMENT : TEMPERATURE 25 °C

RELATIVE HUMIDITY 55 %

PROCEDURE USED:

This instrument was calibration by comparison with standard

MEASURMENT RESULT:

| / | Without Adjustment | | Before Adjustment | | After Adjustment |
|---|--------------------|--|-------------------|--|------------------|
|---|--------------------|--|-------------------|--|------------------|

| Systolic | | | | |
|------------------|--------------|--------|---------|-------------|
| Standard Setting | UUC* Reading | Error | % Error | Uncertainty |
| (mmHg) | (mmHg) | (mmHg) | (%) | (mmHg) |
| 60 | 58.96 | -1.04 | -1.73 | ± 0.0448 |
| 120 | 126.04 | 6.04 | 5.03 | ± 0.0770 |
| 200 | 202.03 | 2.02 | 1.01 | ± 0.0438 |

| Diastolic | | | | | | |
|------------------|--------------|--------|---------|-------------|--|--|
| Standard Setting | UUC* Reading | Error | % Error | Uncertainty | | |
| (mmHg) | (mmHg) | (mmHg) | (%) | (mmHg) | | |
| 30 | 32.97 | 2.97 | 9.89 | ± 0.0414 | | |
| 80 | 82.96 | 2.96 | 3.70 | ± 0.0563 | | |
| 150 | 152.00 | 2.00 | 1.33 | ± 0.0901 | | |

| Heart Rate | | | | | | |
|------------------|--------------|-------|---------|-------------|--|--|
| Standard Setting | UUC* Reading | Error | % Error | Uncertainty | | |
| (BPM) | (BPM) | (BPM) | (%) | (BPM) | | |
| 60 | 60.03 | 0.03 | 0.05 | ± 0.0474 | | |
| 80 | 80.02 | 0.02 | 0.02 | ± 0.1134 | | |
| 120 | 120.00 | 0.00 | 0.00 | ± 0.1208 | | |

FI-BME-NHS-CP-007/1 Rev.04 Page 2/3 Issued Date 20/07/2024



Certificate No. 24PYT3_DEC12240036

Page 3 of 3

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| %Spo2 | | | | | | |
|----------------------|----------------------|----------------------|---------|----------------------|--|--|
| Standard Setting | UUC* Reading | Error | % Error | Uncertainty | | |
| (%SPO ₂) | (%SPO ₂) | (%SPO ₂) | (%) | (%SPO ₂) | | |
| 90 | 91.01 | 1.01 | 1.12 | ± 0.0960 | | |
| 96 | 97.01 | 1.01 | 1.05 | ± 0.0487 | | |
| 100 | 100.03 | 0.03 | 0.03 | ± 0.0358 | | |

UUC*: Unit Under Calibration

The reported uncertainty of measurement was based on a standard uncertainty multiplied by a coverage factor k = 2, providing a level of confidence of approximately 95%

FI-BME-NHS-CP-007/1 Rev.04 Page 3/3 Issued Date 20/07/2024