

MODEL

Certificate No.

24PTP_0104240251

Page 1 of 3

Certificate of Calibration

EQUIPMENT : MONITORS, PHYSIOLOGIC, VITAL SIGNS

740 SELECT

ID CODE : PTP01498

MANUFACTURER : CASMED

SERIAL No. : 1547134

LOCATION : Patient Wards 406

SUBMITTED BY : PHYATHAI PHAHOLYOTHIN HOSPITAL

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

Tel: 02-271-7000 Fax: -

CALIBRATED DATE : 23 APRIL 2024

ISSUE DATE : 3 MAY 2024

Supatcha

Performed by : Approved by : SUPATCHA BUAPUEAN

PHUWASIN YIWKIM

This certificate may not be reproduced except in full unless permission for reproduction has been obtained in writing from the calibration.

CONDITION OF THIS RESULT OF TEST

1. REFERENCE STANDARD INSTRUMENT:

MASTERMANUFACTURERMODELSERIAL NO.CERTIFICATE NO.DUE DATEVitalsign SimulatorFlukeProSim8254103123MD7777 Jun 2024

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



Certificate No. 24PTP_0104240251

Page 2 of 3

Calibration Report

EQUIPMENT : MONITORS, PHYSIOLOGIC, VITAL SIGNS

ID CODE : PTP01498

MANUFACTURER : CASMED

MODEL : 740 SELECT

SERIAL No. : 1547134

DATE OF CALIBRATION : 23 APRIL 2024

ENVIRONMENT : TEMPERATURE 24 °C

RELATIVE HUMIDITY 56 %

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 | 61.50 | 1.50 | 2.50 | ± 1.1275 | | |
| 120 | 122.25 | 2.25 | 1.88 | ± 1.3651 | | |
| 200 | 202.25 | 2.25 | 1.13 | ± 1.8028 | | |

| Diastolic | | | | | | |
|------------------|--------------|--------|---------|-------------|--|--|
| Standard Setting | UUC* Reading | Error | % Error | Uncertainty | | |
| (mmHg) | (mmHg) | (mmHg) | (%) | (mmHg) | | |
| 30 | 34.00 | 4.00 | 13.33 | ± 1.2643 | | |
| 80 | 84.25 | 4.25 | 5.31 | ± 1.1821 | | |
| 150 | 152.75 | 2.75 | 1.83 | ± 1.5276 | | |

| Heart Rate | | | | | | |
|------------------|--------------|-------|---------|-------------|--|--|
| Standard Setting | UUC* Reading | Error | % Error | Uncertainty | | |
| (BPM) | (BPM) | (BPM) | (%) | (BPM) | | |
| 60 | 60.00 | 0.00 | 0.00 | ± 0.0150 | | |
| 80 | 80.00 | 0.00 | 0.00 | ± 0.0460 | | |
| 120 | 120.00 | 0.00 | 0.00 | ± 0.0460 | | |



Certificate No. 24PTP_0104240251

Page 3 of 3

Calibration Report

EQUIPMENT : MONITORS, PHYSIOLOGIC, VITAL SIGNS

ID CODE : PTP01498

SERIAL No. : 1547134

| %Spo2 | | | | | | |
|----------------------|----------------------|----------------------|---------|----------------------|--|--|
| Standard Setting | UUC* Reading | Error | % Error | Uncertainty | | |
| (%SPO ₂) | (%SPO ₂) | (%SPO ₂) | (%) | (%SPO ₂) | | |
| 90 | 90.00 | 0.00 | 0.00 | ± 0.1039 | | |
| 96 | 96.00 | 0.00 | 0.00 | ± 0.1109 | | |
| 100 | 100.00 | 0.00 | 0.00 | ± 0.1155 | | |

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.03 Page 3/3 Issued Date 20/07/2023