

Certificate No.

24PYT3_DEC12240108

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Certificate of Calibration

EQUIPMENT : MONITORS, PHYSIOLOGIC, VITAL SIGNS

ID CODE : PYT3_07949

MANUFACTURER : EDAN

MODEL : M3A

SERIAL No. : 360125-M21505660003

LOCATION : OPD COUNTER NURSE (CN คัดกรอง)

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 : 3 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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Calibration Report

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DATE OF CALIBRATION : 3 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
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Systolic						
Standard Setting	UUC* Reading	Error	% Error	Uncertainty		
(mmHg)	(mmHg)	(mmHg)	(%)	(mmHg)		
60	62.02	2.02	3.37	± 0.0448		
120	115.99	-4.01	-3.34	± 0.0475		
200	195.97	-4.03	-2.01	± 0.0595		

Diastolic						
Standard Setting	UUC* Reading	Error	% Error	Uncertainty		
(mmHg)	(mmHg)	(mmHg)	(%)	(mmHg)		
30	34.99	4.99	16.62	± 0.0860		
80	76.98	-3.02	-3.78	± 0.0283		
150	143.25	-6.75	-4.50	± 0.8275		

Heart Rate						
Standard Setting	UUC* Reading	Error	% Error	Uncertainty		
(BPM)	(BPM)	(BPM)	(%)	(BPM)		
60	59.95	-0.05	-0.08	± 0.0577		
80	80.01	0.00	0.01	± 0.1172		
120	120.00	-0.00	-0.00	± 0.1116		



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%Spo2						
Standard Setting	UUC* Reading	Error	% Error	Uncertainty		
(%SPO ₂)	(%SPO ₂)	(%SPO ₂)	(%)	(%SPO ₂)		
90	90.99	0.99	1.10	± 0.0625		
96	97.02	1.02	1.06	± 0.0734		
100	100.01	0.01	0.01	± 0.0416		

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%

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