

Certificate No.

24PYT3_DEC12240116

Page 1 of 3

Certificate of Calibration

EQUIPMENT : MONITORS, PATIENT TRANSPORT

ID CODE : PYT3_00571

MANUFACTURER : PHILIPS

MODEL : SURESIGNS VM4

SERIAL No. : US03828836

LOCATION : EMERGENCY(ฉูกเฉิน) (bed 6)

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 : 4 DECEMBER 2024

ISSUE DATE : 30 DECEMBER 2024

Performed by : Approved by : PUKARIN TONGKLIANG

SOM KONKAEW PUKARIN TONGKLIANG

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 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



Certificate No. 24PYT3_DEC12240116

Page 2 of 3

Calibration Report

EQUIPMENT : MONITORS, PATIENT TRANSPORT

ID CODE : PYT3_00571

MANUFACTURER : PHILIPS

MODEL : SURESIGNS VM4

SERIAL No. : US03828836

DATE OF CALIBRATION : 4 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	62.02	2.02	3.37	± 0.0978		
120	121.00	1.00	0.84	± 0.1084		
200	199.02	-0.99	-0.49	± 0.0496		

Diastolic						
Standard Setting	UUC* Reading	Error	% Error	Uncertainty		
(mmHg)	(mmHg)	(mmHg)	(%)	(mmHg)		
30	33.99	3.99	13.30	± 0.0557		
80	82.98	2.98	3.73	± 0.0676		
150	153.04	3.04	2.02	± 0.0394		

Heart Rate						
Standard Setting	UUC* Reading	Error	% Error	Uncertainty		
(BPM)	(BPM)	(BPM)	(%)	(BPM)		
60	59.98	-0.02	-0.04	± 0.0363		
80	80.01	0.01	0.01	± 0.1173		
120	120.00	-0.00	-0.00	± 0.1114		

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



Certificate No. 24PYT3_DEC12240116

Page 3 of 3

Calibration Report

EQUIPMENT : MONITORS, PATIENT TRANSPORT

ID CODE : PYT3_00571 SERIAL No. : US03828836

%Spo2						
Standard Setting	UUC* Reading	Error	% Error	Uncertainty		
(%SPO ₂)	(%SPO ₂)	(%SPO ₂)	(%)	(%SPO ₂)		
90	89.99	-0.01	-0.01	± 0.0494		
96	95.97	-0.03	-0.03	± 0.0512		
100	100.02	0.02	0.02	± 0.0283		

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