

Certificate No.

24PYT3_DEC12240153

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Certificate of Calibration

EQUIPMENT : MONITORS, PATIENT TRANSPORT

ID CODE : PYT3_05316

MANUFACTURER : PHILIPS

MODEL : SURESIGNS VSI

SERIAL No. : CN42726592

LOCATION : OPD CARDIO(ศูนย์หัวใจ)

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 : 13 DECEMBER 2024
ISSUE DATE : 30 DECEMBER 2024

Performed by:	/	Approved by :	
	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 2025Simulator

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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ID CODE : PYT3_05316

MANUFACTURER : PHILIPS

MODEL : SURESIGNS VSI

SERIAL No. : CN42726592

DATE OF CALIBRATION : 13 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	60.00	0.00	0.00	± 0.0667
120	119.99	-0.01	-0.01	± 0.0557
200	194.04	-5.96	-2.98	± 0.0515

Diastolic				
Standard Setting	UUC* Reading	Error	% Error	Uncertainty
(mmHg)	(mmHg)	(mmHg)	(%)	(mmHg)
30	31.98	1.98	6.61	± 0.0512
80	83.00	3.00	3.75	± 0.0619
150	144.00	-6.00	-4.00	± 0.0745

Heart Rate					
Standard Setting	UUC* Reading	Error	% Error	Uncertainty	
(BPM)	(BPM)	(BPM)	(%)	(BPM)	
60	59.99	-0.01	-0.02	± 0.0253	
80	80.97	0.97	1.22	± 0.1244	
120	119.00	-1.00	-0.84	± 0.1252	

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%Spo2				
Standard Setting	UUC* Reading	Error	% Error	Uncertainty
(%SPO ₂)	(%SPO ₂)	(%SPO ₂)	(%)	(%SPO ₂)
90	91.03	1.03	1.14	± 0.0487
96	96.97	0.97	1.01	± 0.0757
100	99.95	-0.05	-0.05	± 0.0612

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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