

Certificate No.

24PTP_0104240339

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Certificate of Calibration

EQUIPMENT : MONITORS, PHYSIOLOGIC, VITAL SIGNS

ID CODE : PTP01900

MANUFACTURER : KTMED

MODEL : KTPM-1000

SERIAL No. : ZD1100128

LOCATION : General Surgery

SUBMITTED BY : PHYATHAI PHAHOLYOTHIN HOSPITAL

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

Tel: 02-271-7000 Fax: -

CALIBRATED DATE : 26 APRIL 2024

ISSUE DATE : 3 MAY 2024

Supatcha

Performed by : _____ Approved by :

21004

SUPATCHA BUAPUEAN PHUWASIN YIWKIM

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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



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Calibration Report

EQUIPMENT : MONITORS, PHYSIOLOGIC, VITAL SIGNS

ID CODE : PTP01900

MANUFACTURER : KTMED

MODEL : KTPM-1000

SERIAL No. : ZD1100128

DATE OF CALIBRATION : 26 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
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Systolic						
Standard Setting	UUC* Reading	Error	% Error	Uncertainty		
(mmHg)	(mmHg)	(mmHg)	(%)	(mmHg)		
60	64.75	4.75	7.92	± 1.0767		
120	121.50	1.50	1.25	± 1.7217		
200	201.00	1.00	0.50	± 1.9628		

Diastolic						
Standard Setting	UUC* Reading	Error	% Error	Uncertainty		
(mmHg)	(mmHg)	(mmHg)	(%)	(mmHg)		
30	32.00	2.00	6.67	± 1.2643		
80	83.00	3.00	3.75	± 1.0393		
150	151.75	1.75	1.17	± 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		

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 $\pm\,0.1155$

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EQUIPMENT : MONITORS, PHYSIOLOGIC, VITAL SIGNS

ZD1100128

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100.00

%Spo2 Standard Setting **UUC*** Reading Error % Error Uncertainty (%SPO₂) $(\%SPO_2)$ (%SPO₂) (%SPO₂) (%) 90 90.00 0.00 ± 0.1039 0.0096 0.75 96.75 0.78 ± 0.8476

0.00

0.00

UUC*: Unit Under Calibration

100

SERIAL No.

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%