

Certificate No.

24PTP_0104240215

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Certificate of Calibration

EQUIPMENT MONITORS, PHYSIOLOGIC, VITAL SIGNS

ID CODE PTP01974

MANUFACTURER KTMED

MODEL KTPM-1000

SERIAL No. ZL1000101

LOCATION Pediatrics Center

SUBMITTED BY PHYATHAI PHAHOLYOTHIN HOSPITAL

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

Tel: 02-271-7000 Fax: -

CALIBRATED DATE 22 APRIL 2024

ISSUE DATE 3 MAY 2024

Supatcha

Performed by: SUPATCHA BUAPUEAN

Approved by:

PHUWASIN YIWKIM

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CONDITION OF THIS RESULT OF TEST

1. REFERENCE STANDARD INSTRUMENT:

MASTER MANUFACTURER MODEL SERIAL NO. CERTIFICATE NO. DUE DATE ProSim8 2541031 23MD777 7 Jun 2024 Vitalsign Simulator Fluke

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 : PTP01974

MANUFACTURER : KTMED

MODEL : KTPM-1000

SERIAL No. : ZL1000101

DATE OF CALIBRATION : 22 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	62.00	2.00	3.33	± 0.9238		
120	120.25	0.25	0.21	± 1.3651		
200	201.00	1.00	0.50	± 2.1754		

Diastolic						
Standard Setting	UUC* Reading	Error	% Error	Uncertainty		
(mmHg)	(mmHg)	(mmHg)	(%)	(mmHg)		
30	33.50	3.50	11.67	± 1.5192		
80	78.75	-1.25	-1.56	± 1.1821		
150	146.50	-3.50	-2.33	± 1.5546		

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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%Spo2						
Standard Setting	UUC* Reading	Error	% Error	Uncertainty		
(%SPO ₂)	(%SPO ₂)	(%SPO ₂)	(%)	(%SPO ₂)		
90	91.00	1.00	1.11	± 0.1039		
96	97.00	1.00	1.04	± 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%