

Certificate No.

24PTP_0104240165

Page 1 of 3

Certificate of Calibration

EQUIPMENT : VENTILATORS, TRANSPORT

ID CODE : PTP00217

MANUFACTURER : FLIGHT MEDICAL

MODEL : FLIGHT 60

SERIAL No. : V61-0012

LOCATION : I.C.U

SUBMITTED BY : PHYATHAI PHAHOLYOTHIN HOSPITAL

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

Tel: 02-271-7000 Fax: -

CALIBRATED DATE : 19 APRIL 2024

ISSUE DATE : 1 MAY 2024

Supatcha JOS

Performed by : Approved by : PHUWASIN YIWKIM

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CONDITION OF THIS RESULT OF TEST

1. REFERENCE STANDARD INSTRUMENT:

MASTERMANUFACTURERMODELSERIAL NO.CERTIFICATE NO.DUE DATEGas Flow AnalyzerFluke BiomedicalVT650606972523MD115827 Aug 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



Certificate No. 24PTP_0104240165

Page 2 of 3

Calibration Report

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MANUFACTURER : FLIGHT MEDICAL

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SERIAL No. : V61-0012

DATE OF CALIBRATION : 19 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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TIDAL VOLUME					
UUC* Setting	Standard Reading	Error	% Error	Uncertainty	
(mL)	(mL)	(mL)	(%)	(mL)	
400	411.48	11.48	2.87	± 14.8832	
600	619.78	19.78	3.30	± 22.3078	
800	810.33	10.33	1.29	± 29.0375	

BREATH RATE						
UUC* Setting	Standard Reading	Error	% Error	Uncertainty		
(BPM)	(BPM)	(BPM)	(%)	(BPM)		
30	29.90	-0.10	-0.33	± 0.3464		
20	19.90	-0.10	-0.50	± 0.2309		
15	15.00	0.00	0.00	± 0.1732		

I:E RATIO					
UUC* Setting	Standard Reading	Error	% Error	Uncertainty	
((1:x))	((1:x))	((1:x))	(%)	((1:x))	
1	1.07	0.07	7.00	± 0.0231	
2	2.13	0.13	6.50	± 0.0462	
3	3.16	0.16	5.33	± 0.0693	

FI-BME-NHS-CP-018/1 Rev.03 Page 2/3 Issued Date 20/07/2023



Certificate No. 24PTP_0104240165

Page 3 of 3

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ID CODE : PTP00217 SERIAL No. : V61-0012

PIP						
UUC* Setting	Standard Reading	Error	% Error	Uncertainty		
(cmH ₂ O)	(cmH ₂ O)	(cmH ₂ O)	(%)	(cmH ₂ O)		
20	20.48	0.48	2.40	± 0.3200		
30	30.51	0.51	1.70	± 0.3200		
40	39.90	-0.10	-0.25	± 0.3200		

PEEP						
UUC* Setting	Standard Reading	Error	% Error	Uncertainty		
(cmH2O)	(cmH2O)	(cmH2O)	(%)	(cmH2O)		
5	5.32	0.32	6.40	± 0.0577		
10	10.40	0.40	4.00	± 0.1155		
15	15.38	0.38	2.53	± 0.1732		

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-018/1 Rev.03 Page 3/3 Issued Date 20/07/2023