

Certificate No.

24PTP_0104240389

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Certificate of Calibration

EQUIPMENT : VENTILATORS, ANESTHESIA

ID CODE : PTP00627(VEN)

MANUFACTURER : DATEX-OHMEDA

MODEL : S/5 Aespire

SERIAL No. : AMXJ01257 (VEN:144A0R3)

LOCATION : Operating Room

SUBMITTED BY : PHYATHAI PHAHOLYOTHIN HOSPITAL

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

Tel: 02-271-7000 Fax: -

CALIBRATED DATE : 30 APRIL 2024

ISSUE DATE : 3 MAY 2024

Supatcha

Performed by : Approved by : SUPATCHA BUAPUEAN

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



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Calibration Report

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DATE OF CALIBRATION : 30 APRIL 2024

ENVIRONMENT : TEMPERATURE 23 °C

RELATIVE HUMIDITY 50 %

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	409.10	9.10	2.28	± 14.4914		
600	626.05	26.05	4.34	± 21.7176		
800	825.20	25.20	3.15	± 28.9066		

BREATH RATE						
UUC* Setting	Standard Reading	Error	% Error	Uncertainty		
(BPM)	(BPM)	(BPM)	(%)	(BPM)		
20	20.00	0.00	0.00	± 0.2309		
14	14.00	0.00	0.00	± 0.1617		
12	12.00	0.00	0.00	± 0.1386		

I:E RATIO						
UUC* Setting	Standard Reading	Error	% Error	Uncertainty		
((1:x))	((1:x))	((1:x))	(%)	((1:x))		
1	1.00	0.00	0.00	± 0.0231		
2	1.85	-0.15	-7.50	± 0.0462		
2.5	2.31	-0.19	-7.60	± 0.0577		

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ID CODE : PTP00627(VEN)

SERIAL No. : AMXJ01257 (VEN:144A0R3)

PEEP						
UUC* Setting	Standard Reading	Error	% Error	Uncertainty		
(cmH2O)	(cmH2O)	(cmH2O)	(%)	(cmH2O)		
5	5.08	0.08	1.60	± 0.0577		
7	6.89	-0.11	-1.57	± 0.0808		
10	9.57	-0.43	-4.30	± 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%

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