

Certificate No. 24PTP\_0104240341

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# **Certificate of Calibration**

EOUIPMENT	:	VENTILATORS, ANESTHESIA

ID CODE : PTP00680(VEN)

MANUFACTURER : DATEX-OHMEDA

MODEL : S/5 Aespire

SERIAL No. : AMXJ01250

LOCATION : Anesthesia

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		むりとれ
	Approved by :	

SUPATCHA BUAPUEAN PHUWASIN YIWKIM

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### **CONDITION OF THIS RESULT OF TEST**

Performed by:

#### 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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MODEL : S/5 Aespire

SERIAL No. : AMXJ01250

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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TIDAL VOLUME				
UUC* Setting	Standard Reading	Error	% Error	Uncertainty
(mL)	(mL)	(mL)	(%)	(mL)
400	383.25	-16.75	-4.19	± 14.5338
600	585.35	-14.65	-2.44	± 21.7591
800	775.55	-24.45	-3.06	± 28.9131

BREATH RATE				
UUC* Setting	Standard Reading	Error	% Error	Uncertainty
(BPM)	(BPM)	(BPM)	(%)	(BPM)
20	20.00	0.00	0.00	± 0.2309
14	14.05	0.05	0.36	± 0.1717
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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EQUIPMENT : VENTILATORS, ANESTHESIA

ID CODE : PTP00680(VEN)

SERIAL No. : AMXJ01250

PEEP				
UUC* Setting	Standard Reading	Error	% Error	Uncertainty
(cmH2O)	(cmH2O)	(cmH2O)	(%)	(cmH2O)
5	4.65	-0.35	-7.00	± 0.0577
7	6.71	-0.29	-4.14	± 0.1289
10	9.64	-0.36	-3.58	± 0.1156

#### **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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