



Quality Certification & Laboratories

Plot No. 10, First Floor, D.S.I.D.C. Scheme-III
 Okhla Industrial Area, Phase - II, New Delhi - 110020, India.
 Tel: +91 98180 09007
 Email: v_devgun@hotmail.com

CALIBRATION CERTIFICATE

Certificate No. : QCL/DEL/CAL/2007305001.01
 Date of Calibration. : 30.07.2020
 Date of Receipt of Instrument : 30.07.2020

Page 1 of 2
 SRF No. : QSL/2007305001
 Suggested Due Date : 30.07.2021
 Date of Issue : 31.07.2020

Customer Name & Address:

M/s Kiran Medical Systems, A Division of Trivitron Healthcare Pvt. Ltd.,
 AMTZ, Pragati Maidan,
 Vishakhapatnam-530031. (India).

Description of Instrument:

Name :	Ventilator	Range :	As Per Instrument
Make :	Kiran	Least Count :	As per Inst
S. No. :	KLV100200006	Accuracy :	-----
Model No.	Kiran Life Vent 100	Performed at :	Site
Location:	-----	Visual Inspection :	OK
Customer ID:	-----	Zero Error :	Nil

Environmental Condition:

Temperature : 25°C ± 5°C Humidity : 45 % to 75%

Methodology of Calibration:

Work Instruction No. : QCL/WI/BM/04 ISO 80601-2-12

Standard & Major Equipment (s) Used for calibration:

S. No.	Instrument Name	Make	S. No./Model No.	Certificate No.	Calibrated By	Valid Upto
1.	VT-650	Fluke	4801022/VT-650	2020000082	Fluke	07.01.2021

Calibration Result:

PC-CMV

Parameter	DUC Setting	Measured Value	Error Observed	Allowable Limit	Remarks
PEEP (cmH ₂ O)	5	5.32	0.32	±10%	Pass
Inspiration Time (s)*	1	0.95	-0.05	±10%	Pass
Expiratory Time	2	2.02	0.02	±10%	Pass
Peak Inspiratory Pressure	40	39.14	-0.86	±10%	Pass
FiO ₂ %	50	50.87	0.87	±10%	Pass
Breath Rate (BPM)	20	20.52	0.52	±10%	Pass
PIP (cmH ₂ O)	22	23.69	1.69	±10%	Pass
I:E Ration	1:2	1:2.6	0:0.6	±10%	Pass

VC-SIMV

Parameter	DUC Setting	Measured Value	Error Observed	Allowable Limit	Remarks
Tidal Volume (ml)	500	506	6	±10%	Pass
PEEP (cmH ₂ O)	5	5.32	0.32	±10%	Pass
Inspiration Time (s)*	1	0.93	-0.07	±10%	Pass
Expiratory Time	2	2.05	0.05	±10%	Pass
FiO ₂ %	50	49.59	-0.41	±10%	Pass
Breath Rate (BPM)	20	20.12	0.12	±10%	Pass
I:E Ration	1:2	1:2.5	0:0.5	±10%	Pass



Quality Certification & Laboratories

Plot No. 10, First Floor, D.S.I.D.C. Scheme-III
Okhla Industrial Area, Phase - II, New Delhi - 110020, India.
Tel: +91 98180 09007
Email: v_devgun@hotmail.com

CALIBRATION CERTIFICATE

Page 2 of 2

Certificate No. : QSL/DEL/CAL/2007305001.01
Date of Calibration. : 30.07.2020
Date of Receipt of Instrument : 30.07.2020

SRF No. : QSL/2007305001
Suggested Due Date : 30.07.2021
Date of Issue : 31.07.2020

Customer Name & Address:

M/s Kiran Medical Systems, A Division of Trivitron Healthcare Pvt. Ltd.,
AMTZ, Pragati Maidan,
Vishakhapatnam-530031. (India).

Modes Present: VC-CMV, VC-ACV, VC-SIMV, PC-CMV, PC-ACV, PC-SIMV, PRVC and PSV

Abbreviations

VC Volume Control
PC Pressure Control
CMV Continuous Mandatory Ventilation
ACV Assist Control Ventilation
SIMV Synchronized Intermittent Mandatory Ventilation
PECV Pressure-Regulated Volume Control
PSV Pressure Support Ventilation

Leakage Test Passed : Yes No

Electrical Safety Test Passed : Yes No

As Per IEC 60601.1 Standards

Calibration Passed : Yes No

Note:

- *The calibration results reported in this calibration certificate are valid at the time of & under stated conditions of measurement.
- *This certificate cannot be reproduced except in full without our prior permission in writing.
- *This certificate refers only to the particular item (s) calibrated.
- *Laboratory standard are traceable to national standards.
- *UUC: Unit Under Calibration.

Prepared By

Customer Cell In-charge (Pradeep Sharma)

Approved By

CEO (Vivek Devgun)

