



# VOLTAGRAM TESTING & CALIBRATION

Plot No.-C 88&89, Sector:- B3, TDS City, Ghaziabad, UP, Pin 201 103  
MOBILE:- 09717318883, E-MAIL: voltagramindia@gmail.com



## CALIBRATION CERTIFICATE

Certificate No. VTC/OEG/ 2021060701

Calibrated for (Name & Address)

**M/s. Onkar Engine & Generator Pvt. Ltd.**

D - 255, Sector - 63,  
Noida, UP - 201 301

Received on : 07/06/2021

Calibrated on : 07/06/2021

Calibration Due on : 06/06/2022

Issued on : 07/06/2021

Page(s) : 1 of 1

### Description of Equipment / Instrument

Instrument Name : Measuring Cylinder

Make / Model : ---

Range : 0 - 500 ml

Least Count / Resolution : 5 ml

Location : Lab

Serial No. : ---

Accuracy : ---

Type : ---

Condition of Equip. : Normal

Equip. / Party ID : ---

### Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Weighing Balance, 5 kg	Weight Next	CC220921000000347F	UTC, Karnal	16/03/2022

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 49

### Parameter Volume

S. No.	UUC Value (S)	ml	Avg. Standard Value (M)	ml	Error (S-M)	% Error	(±)MU** %
1	25		24.984		0.016	0.064	2.3
2	50		49.981		0.019	0.038	
3	100		99.979		0.021	0.021	
4	200		199.976		0.024	0.012	
5	500		499.958		0.042	0.008	



*C.P. Saxena*  
07/06/2021  
C.P. SAXENA  
APPROVED BY (QM/TM)

Note:- 1) Calibration temperature:- 25±2°C; Relative Humidity:- 45 to 75%; 2) The calibration results reported in this calibration certificate are valid at the time of & under stated condition; 3) This certificate cannot be reproduced except in full without our prior permission in writing; 4) This certificate refers only to the particular item(s) submitted for calibration; 5) DUC/UUC – Device Under Calibration / Unit Under Calibration; 6) Measurements are traceable to National standards through unbroken chain of calibration from NABL accredited/Competent laboratory; 7) \*\*Measurement of Uncertainty at approx 95.45% confidence level and coverage factor k=2. {Revision-02, Revision Date-01/04/2021, VTC/QF/19}



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## CALIBRATION CERTIFICATE

Certificate No. VTC/OEG/ 2021060702

Calibrated for (Name & Address)

**M/s. Onkar Engine & Generator Pvt. Ltd.**

D - 255, Sector - 63,  
Noida, UP - 201 301

Received on : 07/06/2021

Calibrated on : 07/06/2021

Calibration Due on : 06/06/2022

Issued on : 07/06/2021

Page(s) : 1 of 1

### Description of Equipment / Instrument

Instrument Name : Measuring Cylinder

Make / Model : ---

Range : 0 - 1000 ml

Least Count / Resolution : 10 ml

Location : Volume Measurement

Serial No. : ---

Accuracy : ---

Type : ---

Condition of Equip. : Normal

Equip. / Party ID : ---

### Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Weighing Balance, 5 kg	Weight Next	CC220921000000347F	UTC, Karnal	16/03/2022

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 48

### Parameter Volume

S. No.	UUC Value (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU** %
1	20 ml	21.2 ml	-1.2	6.0	1.1
2	50 ml	49.4 ml	0.6	1.2	
3	100 ml	98.7 ml	1.3	1.3	
4	200 ml	198.6 ml	1.4	0.7	
5	250 ml	248.4 ml	1.6	0.6	
6	500 ml	498.6 ml	1.4	0.3	
7	1000 ml	998.2 ml	1.8	0.2	



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## CALIBRATION CERTIFICATE

Certificate No. VTC/OEG/ 2021060703

Calibrated for (Name & Address)

**M/s. Onkar Engine & Generator Pvt. Ltd.**

D - 255, Sector - 63,  
Noida, UP - 201 301

Received on : 07/06/2021

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Calibration Due on : 06/06/2022

Issued on : 07/06/2021

Page(s) : 1 of 1

### Description of Equipment / Instrument

Instrument Name : Dial Pressure Gauge

Make / Model : Mass

Range : 0 - 300 Psi

Least Count / Resolution : 5 Psi

Location : Line Testing

Serial No. : ---

Accuracy : ---

Type : ---

Condition of Equip. : Normal

Equip. / Party ID : ---

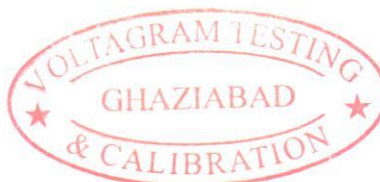
### Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Pressure Gauge	Keller	CC220921000000329F	UTC, Karnal	10/03/2022

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 42

### Parameter Pressure

S. No.	UUC Value(S)	Psi	Avg. Standard Value (M) Psi				(±)MU** %
			Ascending	Error (S-M)	Descending	Error (S-M)	
1	25		24.486	0.514	24.482	0.518	1.2
2	75		74.963	0.037	74.948	0.052	
3	150		149.457	0.543	149.439	0.561	
4	200		199.931	0.069	199.947	0.053	
5	300		299.445	0.555	299.354	0.646	



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## CALIBRATION CERTIFICATE

Certificate No. VTC/OEG/ 2021060704

Calibrated for (Name & Address)

**M/s. Onkar Engine & Generator Pvt. Ltd.**

D - 255, Sector - 63,  
Noida, UP - 201 301

Received on : 07/06/2021

Calibrated on : 07/06/2021

Calibration Due on : 06/06/2022

Issued on : 07/06/2021

Page(s) : 1 of 1

### Description of Equipment / Instrument

Instrument Name : Dial Pressure Gauge

Make / Model : Mass

Range : 0 - 300 kg/cm<sup>2</sup>

Least Count / Resolution : 5 kg/cm<sup>2</sup>

Location : Lab

Serial No. : ---

Accuracy : ---

Type : ---

Condition of Equip. : Normal

Equip. / Party ID : ---

### Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Pressure Gauge	Keller	CC220921000000329F	UTC, Karnal	10/03/2022

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 42

### Parameter Pressure

S. No.	UUC Value(S) kg/cm <sup>2</sup>	Avg. Standard Value (M) kg/cm <sup>2</sup>				(±)MU** %
		Ascending	Error (S-M)	Descending	Error (S-M)	
1	25.00	24.869	0.131	24.675	0.325	1.2
2	75.00	75.024	-0.024	75.021	-0.021	
3	150.00	150.207	-0.207	150.212	-0.212	
4	200.00	200.711	-0.711	200.714	-0.714	
5	300.00	300.015	-0.015	300.017	-0.017	



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## CALIBRATION CERTIFICATE

Certificate No. VTC/OEG/ 2021060705

Calibrated for (Name & Address)

**M/s. Onkar Engine & Generator Pvt. Ltd.**

D - 255, Sector - 63,  
Noida, UP - 201 301

Received on : 07/06/2021

Calibrated on : 07/06/2021

Calibration Due on : 06/06/2022

Issued on : 07/06/2021

Page(s) : 1 of 1

### Description of Equipment / Instrument

Instrument Name : Vacuum Pressure Gauge

Make / Model : Vision

Range : -760 to 0 mmHg

Least Count / Resolution : 10 mmHg

Location : Negative Pressure Test

Serial No. : ---

Accuracy : ---

Type : ---

Condition of Equip. : Normal

Equip. / Party ID : ---

### Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Pressure Gauge	Keller	CC220921000000329F	UTC, Karnal	10/03/2022

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 42

### Parameter Pressure

S. No.	UUC Value(S) mmHg	Avg. Standard Value (M) mmHg				(±)MU** %
		Ascending	Error (S-M)	Descending	Error (S-M)	
1	0	0.000	0.000	0.000	0.000	1.2
2	-450	-449.957	-0.043	-449.945	-0.055	
3	-550	-549.886	-0.114	-549.912	-0.088	
4	-650	-649.867	-0.133	-649.854	-0.146	
5	-750	-749.785	-0.215	-749.767	-0.233	



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## CALIBRATION CERTIFICATE

Certificate No. VTC/OEG/ 2021060706

Calibrated for (Name & Address)

**M/s. Onkar Engine & Generator Pvt. Ltd.**

D - 255, Sector - 63,  
Noida, UP - 201 301

Received on : 07/06/2021

Calibrated on : 07/06/2021

Calibration Due on : 06/06/2022

Issued on : 07/06/2021

Page(s) : 1 of 1

### Description of Equipment / Instrument

Instrument Name : Glass Thermometer

Make / Model : ---

Range : 0 to 110 °C

Least Count / Resolution : 1 °C

Location : Lab

Serial No. : ---

Accuracy : ---

Type : ---

Condition of Equip. : Normal

Equip. / Party ID : ---

### Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Temp. Bath	Voltagram / 9901A	CC220921000000350	UTC, Karnal	16/03/2022

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 38

### Parameter Temperature

S. No.	Avg. Standard Value (M) °C	UUC Value (S) °C	Error (S-M)	% Error	(±)MU** %
1	25.14	25	-0.14	0.56	1.8
2	35.11	35	-0.11	0.31	
3	50.16	50	-0.16	0.32	
4	70.15	70	-0.15	0.21	
5	80.12	80	-0.12	0.15	



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