



## 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 / ULR No. CC29352000000 1597 F  
Calibrated for (Name & Address)

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

E - 14, Sector - 63  
Noida, UP

**Description of Equipment / Instrument**

Instrument Name : Volt Meter  
Make / Model : EKTA  
Range : 0 - 99.9 V  
Least Count / Resolution : 0.01 V  
Location : Lab, Finger Test



Received on : 29/12/2020  
Calibrated on : 29/12/2020  
Calibration Due on : 28/12/2021  
Issued on : 29/12/2020  
Page(s) : 1 of 1

Serial No. : 0121717  
Accuracy : +/- 1.0%  
Type : ---  
Condition of Equip. : Normal  
Equip. / Party ID : 1

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

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 16

**Parameter AC Voltage @ 50 Hz**

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	20.00 V	20.026 V	-0.026	0.13	0.01 V
2	50.00 V	50.053 V	-0.053	0.11	0.03 V
3	70.00 V	70.121 V	-0.121	0.17	0.04 V
4	90.00 V	90.168 V	-0.168	0.19	0.06 V



C.P. SAXENA  
APPROVED BY (QM/TM)

(P.Saxena)  
29/12/2020

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) \* Not covered under NABL Scope, 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-22/02/2020, VTC/QF/19}



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Plot No.-C 88&89, Sector:- B3, TDS City, Ghaziabad, UP, Pin 201 103  
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## CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1598 F  
Calibrated for (Name & Address)

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

E - 14, Sector - 63  
Noida, UP



Description of Equipment / Instrument  
Instrument Name : Volt Meter  
Make / Model : EKTA  
Range : 0 - 600 V  
Least Count / Resolution : 0.1 V  
Location : Lab, Power Input & Current

Received on : 29/12/2020  
Calibrated on : 29/12/2020  
Calibration Due on : 28/12/2021  
Issued on : 29/12/2020  
Page(s) : 1 of 1

Serial No. : 0121718  
Accuracy : +/- 1.0%  
Type : ---  
Condition of Equip. : Normal  
Equip. / Party ID : 2

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

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 16

### Parameter AC Voltage @ 50 Hz

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	100.0 V	100.124 V	-0.124	0.12	0.08 V
2	200.0 V	200.316 V	-0.316	0.16	0.13 V
3	300.0 V	300.570 V	-0.570	0.19	0.19 V
4	550.0 V	551.638 V	-1.638	0.30	0.35 V



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(P. Saxena  
29/12/2020)

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## CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1599 F  
Calibrated for (Name & Address)

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

E - 14, Sector - 63  
Noida, UP



### Description of Equipment / Instrument

Instrument Name : Ampere Meter  
Make / Model : EKTA  
Range : 0 - 20/5 A  
Least Count / Resolution : 0.01 A  
Location : Lab, Power Input & Current

Received on : 29/12/2020  
Calibrated on : 29/12/2020  
Calibration Due on : 28/12/2021  
Issued on : 29/12/2020  
Page(s) : 1 of 1

Serial No. : 0121719  
Accuracy : +/- 1.0%  
Type : ---  
Condition of Equip. : Normal  
Equip. / Party ID : 3

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

S. No.	Nomenclature	Make / Model	Description of Standard /R	Calibrated By	Cal. Due on
1	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 17

### Parameter AC Current @ 50 Hz

S. No.	UUC Reading (S)	Avg. Standard Reading	Proportionate Value (M)	Error (S-M)	Error %	(±)MU**
1	4.00 A	1.0014 A	4.006 A	-0.006	0.14	0.02 A
2	8.00 A	2.0046 A	8.018 A	-0.018	0.23	0.01 A
3	12.00 A	3.0084 A	12.034 A	-0.034	0.28	0.02 A
4	20.00 A	5.0176 A	20.070 A	-0.070	0.35	0.04 A



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### CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1600 F  
Calibrated for (Name & Address)

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

E - 14, Sector - 63  
Noida, UP

Received on : 29/12/2020  
Calibrated on : 29/12/2020  
Calibration Due on : 28/12/2021  
Issued on : 29/12/2020  
Page(s) : 1 of 1



Description of Equipment / Instrument  
Instrument Name : Watt Meter  
Make / Model : EKTA  
Range : 0 - 5000 W  
Least Count / Resolution : 1 W  
Location : Lab, Power Input & Current

Serial No. : 0121720  
Accuracy : +/- 1.0%  
Type : ---  
Condition of Equip. : Normal  
Equip. / Party ID : 4

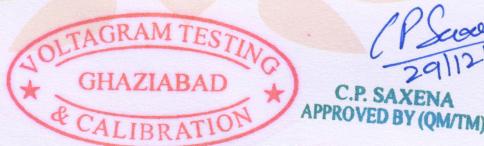
#### Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 20

#### Parameter Wattage @ 50 Hz, UPF

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU** %
1	120 W	120.38 W	-0.38	0.32	1.3
2	1200 W	1202.84 W	-2.84	0.24	1.3
3	2400 W	2405.26 W	-5.26	0.22	1.3
4	4500 W	4506.64 W	-6.64	0.15	1.3
5	5000 W	5008.48 W	-8.48	0.17	1.3



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### CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1603 F  
Calibrated for (Name & Address)

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

E - 14, Sector - 63  
Noida, UP

Received on : 29/12/2020  
Calibrated on : 29/12/2020  
Calibration Due on : 28/12/2021  
Issued on : 29/12/2020  
Page(s) : 1 of 1

#### Description of Equipment / Instrument

Instrument Name : Milli Ampere Meter  
Make / Model : EKTA  
Range : 0 - 20 mA  
Least Count / Resolution : 0.01 mA  
Location : AC High Voltage Tester



Serial No. : 0121721  
Accuracy : +/- 1.0%  
Type : ---  
Condition of Equip. : Normal  
Equip. / Party ID : 7

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

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 16

Parameter AC Current @ 50 Hz

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	5.00 mA	5.008 mA	-0.008	0.17	0.029 mA
2	10.00 mA	10.022 mA	-0.022	0.22	0.057 mA
3	15.00 mA	15.037 mA	-0.037	0.25	0.086 mA
4	20.00 mA	20.055 mA	-0.055	0.28	0.11 mA



C.P. SAXENA  
APPROVED BY (QM/TM)

*C.P. SAXENA  
29/12/2020*

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MOBILE:- 09717318883, E-MAIL: voltagramindia@gmail.com



### CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1632 F  
Calibrated for (Name & Address)

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

E - 14, Sector - 63  
Noida, UP



Received on : 29/12/2020  
Calibrated on : 29/12/2020  
Calibration Due on : 28/12/2021  
Issued on : 29/12/2020  
Page(s) : 1 of 1

#### Description of Equipment / Instrument

Instrument Name	: Dig. Micro Ampere Meter	Serial No.	: 0121739
Make / Model	: EKTA	Accuracy	: +/- 1.0%
Range	: 0 - 500 $\mu$ A	Type	: ---
Least Count / Resolution	: 0.1 $\mu$ A	Condition of Equip.	: Normal
Location	: Multi Test Panel, Leakage Current Test	Equip. / Party ID	: --- 65

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

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 17

#### Parameter AC Current @ 50 Hz

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	( $\pm$ )MU**
1	50.0 $\mu$ A	50.084 $\mu$ A	-0.084	0.17	0.29 $\mu$ A
2	100.0 $\mu$ A	100.238 $\mu$ A	-0.238	0.24	0.57 $\mu$ A
3	300.0 $\mu$ A	300.452 $\mu$ A	-0.452	0.15	1.7 $\mu$ A
4	500.0 $\mu$ A	501.326 $\mu$ A	-1.326	0.27	2.9 $\mu$ A



C.P. SAXENA  
APPROVED BY (QM/TM)

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MOBILE:- 09717318883, E-MAIL: voltagramindia@gmail.com



## CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1631 F  
Calibrated for (Name & Address)

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

E - 14, Sector - 63  
Noida, UP



Received on : 29/12/2020  
Calibrated on : 29/12/2020  
Calibration Due on : 28/12/2021  
Issued on : 29/12/2020  
Page(s) : 1 of 1

### Description of Equipment / Instrument

Instrument Name : Dig. Frequency Meter  
Make / Model : EKTA  
Range : 45 - 60 Hz  
Least Count / Resolution : 0.01 Hz  
Location : Multi Test Panel

Serial No. : 0121740  
Accuracy : +/- 1.0%  
Type : ---  
Condition of Equip. : Normal  
Equip. / Party ID : --- 70

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

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Site	VTC/QP/ 24

### Parameter Frequency

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	45.00 Hz	45.014 Hz	-0.014	0.03	0.07 Hz
2	50.00 Hz	50.012 Hz	-0.012	0.02	0.08 Hz
3	55.00 Hz	55.013 Hz	-0.013	0.02	0.16 Hz
4	65.00 Hz	65.036 Hz	-0.036	0.05	0.19 Hz



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29/12/2020

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MOBILE:- 09717318883, E-MAIL: voltagramindia@gmail.com



### CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1602 F  
Calibrated for (Name & Address)

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

E - 14, Sector - 63  
Noida, UP



Description of Equipment / Instrument

Instrument Name : IR Tester  
Make / Model : IE  
Range : 2 MΩ - ∞  
Least Count / Resolution : As per Instrument  
Location : Lab, Insulation Resistance

Received on : 29/12/2020  
Calibrated on : 29/12/2020  
Calibration Due on : 28/12/2021  
Issued on : 29/12/2020  
Page(s) : 1 of 1

Serial No. : ---  
Accuracy : ---  
Type : ---  
Condition of Equip. : Normal  
Equip. / Party ID : 6

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

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	HV Megaohm Box	Voltagram / 1G	CC29352000000978F	VTC, Ghaziabad	28/08/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 18

Parameter Insulation Resistance @ 500VDC

S. No.	Standard Reading (M)	Avg. UUC Reading (S)	Error (S-M)	% Error	(±)MU**
1	2.0004 MΩ	2 MΩ	-0.0004	0.02	1.2 MΩ
2	5.0075 MΩ	5 MΩ	-0.0075	0.15	1.2 MΩ
3	10.0019 MΩ	10 MΩ	-0.0019	0.02	0.3 MΩ
4	50.0246 MΩ	50 MΩ	-0.0246	0.05	1.3 MΩ
5	100.0125 MΩ	100 MΩ	-0.0125	0.01	2.5 MΩ



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APPROVED BY (QM/TM)

*(P. Saxena)*  
29/12/2020

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MOBILE:- 09717318883, E-MAIL: voltagramindia@gmail.com



## CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1604 F  
Calibrated for (Name & Address)

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

E - 14, Sector - 63  
Noida, UP

Received on : 29/12/2020  
Calibrated on : 29/12/2020  
Calibration Due on : 28/12/2021  
Issued on : 29/12/2020  
Page(s) : 1 of 1

### Description of Equipment / Instrument

Instrument Name : kV Meter  
Make / Model : EKTA  
Range : 0 - 3 kV  
Least Count / Resolution : 0.01 kV  
Location : AC High Voltage Tester



Serial No. : 0121722  
Accuracy : +/- 1.0%  
Type : ---  
Condition of Equip. : Normal  
Equip. / Party ID : 8

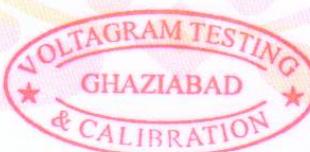
### Description of Standard / Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	HV Probe With DMM	Fluke / 80K40	CS8384/1	C S, Delhi	18/06/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 26

### Parameter AC Voltage @ 50 Hz

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	1.00 kV	1.002 kV	-0.002	0.22	0.08 kV
2	2.00 kV	2.006 kV	-0.006	0.31	0.15 kV
3	3.00 kV	3.012 kV	-0.012	0.39	0.23 kV



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MOBILE:- 09717318883, E-MAIL: voltogramindia@gmail.com



## CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1613 F  
Calibrated for (Name & Address)

**M/s. Onkar Engine & Generator Pvt. Ltd.**  
E - 14, Sector - 63  
Noida, UP



Received on : 29/12/2020  
Calibrated on : 29/12/2020  
Calibration Due on : 28/12/2021  
Issued on : 29/12/2020  
Page(s) : 1 of 1

### Description of Equipment / Instrument

Instrument Name : Dig. Volt Meter  
Make / Model : EKTA  
Range : 0 - 9.99 V  
Least Count / Resolution : 0.01 V  
Location : Lab, ECRT

Serial No. : 0121727  
Accuracy : +/- 1.0%  
Type : ---  
Condition of Equip. : Normal  
Equip. / Party ID : 31

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

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 16

### Parameter AC Voltage @ 50 Hz

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	1.00 V	1.003 V	-0.003	0.30	0.006 V
2	3.00 V	3.006 V	-0.006	0.19	0.006 V
3	6.00 V	6.018 V	-0.018	0.31	0.006 V
4	9.00 V	9.037 V	-0.037	0.41	0.009 V



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C.P. SAXENA  
29/12/2020

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) \* Not covered under NABL Scope. Measurements are traceable to National standards through unbroken chain of calibration from NABL accredited/Competent laboratory;



# 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 / ULR No. CC29352000000 1614 F  
Calibrated for (Name & Address)

**M/s. Onkar Engine & Generator Pvt. Ltd.**  
E - 14, Sector - 63  
Noida, UP

Received on : 29/12/2020  
Calibrated on : 29/12/2020  
Calibration Due on : 28/12/2021  
Issued on : 29/12/2020  
Page(s) : 1 of 1

### Description of Equipment / Instrument

Instrument Name : Dig. Ammeter  
Make / Model : EKTA  
Range : 0 - 30/5 A  
Least Count / Resolution : 0.1 A  
Location : Lab, ECRT



Serial No. : 0121728  
Accuracy : +/- 1.0%  
Type : ---  
Condition of Equip. : Normal  
Equip. / Party ID : 32

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

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 17

### Parameter AC Current @ 50 Hz

S. No.	UUC Reading (S)	Avg. Standard Reading	Proportionate Value (M)	Error (S-M)	Error %	(±)MU**
1	6.0 A	1.008 A	6.046 A	-0.046	0.76	0.06 A
2	18.0 A	3.012 A	18.074 A	-0.074	0.41	0.06 A
3	30.0 A	5.018 A	30.107 A	-0.107	0.36	0.06 A



C.P. SAXENA  
APPROVED BY (QM/TM)

C.P. SAXENA  
29/12/2020

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# 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 / ULR No. CC29352000000 1615 F  
Calibrated for (Name & Address)

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

E - 14, Sector - 63  
Noida, UP



Received on : 29/12/2020  
Calibrated on : 29/12/2020  
Calibration Due on : 28/12/2021  
Issued on : 29/12/2020  
Page(s) : 1 of 1

### Description of Equipment / Instrument

Instrument Name : Dig. Ampere Meter  
Make / Model : Heatcon  
Range : 0 - 200/5 A  
Least Count / Resolution : 0.1 A  
Location : Glow Wire Test Apparatus

Serial No. : ---  
Accuracy : +/- 1.0%  
Type : ---  
Condition of Equip. : Normal  
Equip. / Party ID : 37

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

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	s 17

### Parameter AC Current @ 50 Hz

S. No.	UUC Reading (S)	Avg. Standard Reading	Proportionate Value (M)	Error (S-M)	Error %	(±)MU**
1	40.0 A	1.006 A	40.24 A	-0.24	0.60	0.23 A
2	80.0 A	2.014 A	80.56 A	-0.56	0.70	0.14 A
3	120.0 A	3.016 A	120.64 A	-0.64	0.53	0.22 A
4	200.0 A	5.034 A	201.36 A	-1.36	0.68	0.36 A



C.P. SAXENA  
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CP SAXENA  
29/12/2020

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# VOLTAGRAM TESTING & CALIBRATION

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## CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1616 F  
Calibrated for (Name & Address)

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

E - 14, Sector - 63  
Noida, UP



Received on : 29/12/2020  
Calibrated on : 29/12/2020  
Calibration Due on : 28/12/2021  
Issued on : 29/12/2020  
Page(s) : 1 of 1

### Description of Equipment / Instrument

Instrument Name : Dig. Temperature Controller  
Make / Model : Heatcon  
Range : 0 - 1200 °C  
Least Count / Resolution : 1 °C  
Location : Glow Wire Test Apparatus

Serial No. : ---  
Accuracy : +/- 1.0%  
Type : K-Type  
Condition of Equip. : Normal  
Equip. / Party ID : 38

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

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 19

### Parameter Temperature

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	500 °C	501.58 °C	-1.58	0.32	0.66 °C
2	700 °C	702.38 °C	-2.38	0.34	0.66 °C
3	900 °C	903.50 °C	-3.50	0.39	0.65 °C
4	1100 °C	1103.52 °C	-3.52	0.32	0.74 °C



*C.P. SAXENA  
29/12/2020*  
C.P. SAXENA  
APPROVED BY (QM/TM)

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## CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1617 F  
Calibrated for (Name & Address)

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

E - 14, Sector - 63  
Noida, UP



### Description of Equipment / Instrument

Instrument Name : Dig. Timer Controller  
Make / Model : Mac  
Range : 0 - 99.9 s  
Least Count / Resolution : 0.1 s  
Location : Glow Wire Test Apparatus

Received on : 29/12/2020  
Calibrated on : 29/12/2020  
Calibration Due on : 28/12/2021  
Issued on : 29/12/2020  
Page(s) : 1 of 1

Serial No. : ---  
Accuracy : +/- 1.0%  
Type : ---  
Condition of Equip. : Normal  
Equip. / Party ID : 39

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

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Time Interval Calibrator	Voltagram / TIC01	CC221620000001340F	C & I, Jaipur	24/09/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 25

### Parameter Time Interval

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	30.0 s	30.068 s	-0.068	0.23	0.071 s
2	60.0 s	60.154 s	-0.154	0.26	0.064 s
3	90.0 s	90.282 s	-0.282	0.31	0.094 s



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APPROVED BY (QM/TM)

*(P. Saxena)*  
29/12/2020

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7) \*\*Measurement of Uncertainty at approx 95.45% confidence level and coverage factor k=2. {Revision-02, Revision Date-22/02/2020, VTC/QF/19}



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## CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1601 F  
Calibrated for (Name & Address)

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

E - 14, Sector - 63  
Noida, UP



Received on : 29/12/2020  
Calibrated on : 29/12/2020  
Calibration Due on : 28/12/2021  
Issued on : 29/12/2020  
Page(s) : 1 of 1

### Description of Equipment / Instrument

Instrument Name : Dig. Temperature Controller  
Make / Model : ---  
Range : Ambient to 350 °C  
Least Count / Resolution : 1 °C  
Location : Lab, Temperature Rise Test

Serial No. : ---  
Accuracy : ---  
Type : RTD(PT-100)  
Condition of Equip. : Normal  
Equip. / Party ID : 5

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

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 19

### Parameter Temperature

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	50 °C	49.770 °C	0.230	0.46	0.58 °C
2	100 °C	99.730 °C	0.270	0.27	0.58 °C
3	150 °C	149.840 °C	0.160	0.11	0.59 °C
4	200 °C	199.790 °C	0.210	0.11	0.59 °C
5	250 °C	249.710 °C	0.290	0.12	0.58 °C



*(P. Saxena)*  
29/12/2020  
C.P. SAXENA  
APPROVED BY (QM/TM)

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## CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1606 F  
Calibrated for (Name & Address)

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

E - 14, Sector - 63  
Noida, UP

Received on : 29/12/2020  
Calibrated on : 29/12/2020  
Calibration Due on : 28/12/2021  
Issued on : 29/12/2020  
Page(s) : 1 of 1

### Description of Equipment / Instrument

Instrument Name : Dig. Temperature Controller  
Make / Model : Heatcon  
Range : 0 - 99.9 °C  
Least Count / Resolution : 0.1 °C  
Location : Humidity Chamber



Serial No. : ---  
Accuracy : ---  
Type : RTD(PT-100)  
Condition of Equip. : Normal  
Equip. / Party ID : 10

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

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 19

### Parameter Temperature

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	10.0 °C	10.026 °C	-0.026	0.26	0.26 °C
2	30.0 °C	30.104 °C	-0.104	0.35	0.26 °C
3	60.0 °C	60.236 °C	-0.236	0.39	0.26 °C
4	95.0 °C	95.420 °C	-0.420	0.44	0.26 °C



C.P. SAXENA  
APPROVED BY (QM/TM)

C.P. SAXENA  
29/12/2020

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7) \*\*Measurement of Uncertainty at approx 95.45% confidence level and coverage factor k=2. {Revision-02, Revision Date-22/02/2020, VTC/QF/19}



# 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/ 2020122901  
Calibrated for (Name & Address)

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

E - 14, Sector - 63  
Noida, UP

Received on : 29/12/2020  
Calibrated on : 29/12/2020  
Calibration Due on : 28/12/2021  
Issued on : 29/12/2020  
Page(s) : 1 of 1

### Description of Equipment / Instrument

Instrument Name : Dig. Hygrometer  
Make / Model : Heatcon  
Range : 0 - 99 %Rh  
Least Count / Resolution : 1 %Rh  
Location : Humidity Chamber

Serial No. : ---  
Accuracy : ---  
Type : ---  
Condition of Equip. : Normal  
Equip. / Party ID : 11

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

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Dig Thermohygro Meter	HTC	CC220920000000920F	UTC, Karnal	08/09/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 37

### Parameter Relative Humidity

S. No.	UUC Value (S) %Rh	Avg. Standard Value (M) %Rh	Error (S-M)	% Error	(±)MU** %
1	40	40.2	-0.2	0.5	2.0
2	60	60.4	-0.4	0.7	
3	80	80.7	-0.7	0.9	
4	90	91.2	-1.2	1.3	



C.P. SAXENA  
APPROVED BY (QM/TM)

*(P.Saxena)*  
29/12/2020

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# VOLTAGRAM TESTING & CALIBRATION

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MOBILE:- 09717318883, E-MAIL: voltagramindia@gmail.com



## CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1607 F  
Calibrated for (Name & Address)

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

E - 14, Sector - 63  
Noida, UP



Received on : 29/12/2020  
Calibrated on : 29/12/2020  
Calibration Due on : 28/12/2021  
Issued on : 29/12/2020  
Page(s) : 1 of 1

### Description of Equipment / Instrument

Instrument Name : Hour Meter  
Make / Model : Krish  
Range : 0 - 99999.99 Hr  
Least Count / Resolution : 0.01 Hr  
Location : Humidity Chamber

Serial No. : ---  
Accuracy : ---  
Type : ---  
Condition of Equip. : Normal  
Equip. / Party ID : 12

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

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Time Interval Calibrator	Voltagram / TIC01	CC221620000001340F	C & I, Jaipur	24/09/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 25

### Parameter Time Interval

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	1800 s	1802.6 s	-2.6	0.14	21 s
2	3600 s	3603.0 s	-3.0	0.08	21 s



C.P. SAXENA  
APPROVED BY (QM/TM)

P. SAXENA  
29/12/2020

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# VOLTAGRAM TESTING & CALIBRATION

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## CALIBRATION CERTIFICATE

Certificate No. VTC/OEG/ 2020122912

Calibrated for (Name & Address)

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

E - 14, Sector - 63

Noida, UP

Received on : 29/12/2020  
 Calibrated on : 29/12/2020  
 Calibration Due on : 28/12/2021  
 Issued on : 29/12/2020  
 Page(s) : 1 of 1

### Description of Equipment / Instrument

Instrument Name : Dig. Vernier Calliper  
 Make / Model : Insize  
 Range : 0 - 300 mm  
 Least Count / Resolution : 0.02 mm  
 Location : Lab

Serial No. : ---  
 Accuracy : ---  
 Type : ---  
 Condition of Equip. : Normal  
 Equip. / Party ID : 35

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

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Slip Gauge Block Set	Insize	CC266019000000902F	Tanson, Faridabad	10/03/2021
2	Profile Projector	Meeratezar	UTC/2019-2020/03200202	UTC, Karnal	01/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 35

Parameter	Dimension	Error in Micron				(±)MU** %
		OD	ID	Depth		
1	20 mm	0	0	0	0.45	0.45
2	50 mm	0	0	0		
3	100 mm	0	0	0		
4	150 mm	0	0	5		
5	300 mm	0	0	15		



C.P. SAXENA  
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C.P. SAXENA  
29/12/2020

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# VOLTAGRAM TESTING & CALIBRATION

Plot No.-C 88&89, Sector:- B3, TDS City, Ghaziabad, UP, Pin 201 103  
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## CALIBRATION CERTIFICATE

Certificate No. VTC/OEG/ 2020122913

Calibrated for (Name & Address)

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

E - 14, Sector - 63

Noida, UP

Received on : 29/12/2020

Calibrated on : 29/12/2020

Calibration Due on : 28/12/2021

Issued on : 29/12/2020

Page(s) : 1 of 1

### Description of Equipment / Instrument

Instrument Name	: Micrometer	Serial No.	: ---
Make / Model	: Insize	Accuracy	: ---
Range	: 0 - 25 mm	Type	: ---
Least Count / Resolution	: 0.001 mm	Condition of Equip.	: Normal
Location	: Lab	Equip. / Party ID	: 36

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

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Slip Gauge Block Set	Insize	CC266019000000902F	Tanson, Faridbad	10/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 35

### Parameter Dimension

S. No.	Standard Value (M)	Avg. UUC Reading (S)	Error (S-M)	% Error	(±)MU** %
1	0.0 mm	0.00 mm	0.00	0.00	1.8
2	2.0 mm	2.00 mm	0.00	0.00	
3	5.0 mm	5.00 mm	0.00	0.00	
4	10.0 mm	10.05 mm	0.05	0.50	
5	25.0 mm	25.04 mm	0.04	0.16	



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APPROVED BY (QM/TM)

*(P. Saxena  
29/12/2020)*

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# 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/ 2020122911

Calibrated for (Name & Address)

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

E - 14, Sector - 63

Noida, UP

Received on : 29/12/2020  
Calibrated on : 29/12/2020  
Calibration Due on : 28/12/2021  
Issued on : 29/12/2020  
Page(s) : 1 of 1

### Description of Equipment / Instrument

Instrument Name : Filler Gauge  
Make / Model : Insize  
Range : 0.03 - 1.00 mm  
Least Count / Resolution : 0.03  
Location : Lab

Serial No. : ---  
Accuracy : ---  
Type : ---  
Condition of Equip. : Normal  
Equip. / Party ID : 34

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

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Micrometer	Insize	CC22092000000059F	UTC, Karnal	19/02/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 35

### Parameter Dimension

S. No.	UUC Value, mm	Standard reading, mm	S. No.	UUC Value, mm	Standard reading, mm
1	0.03	0.032	13	0.45	0.452
2	0.06	0.061	14	0.50	0.501
3	0.07	0.070	15	0.55	0.553
4	0.08	0.082	16	0.60	0.601
5	0.09	0.092	17	0.65	0.650
6	0.10	0.102	18	0.70	0.702
7	0.15	0.153	19	0.75	0.752
8	0.20	0.202	20	0.80	0.801
9	0.25	0.251	21	0.85	0.849
10	0.30	0.302	22	0.90	0.901
11	0.35	0.352	23	0.95	0.952
12	0.40	0.403	24	1.00	1.001

(±)MU\*\* 1.2%



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) \* Not covered under NABL Scope, 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-22/02/2020, VTC/QF/19}



## 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 / ULR No. CC29352000000 1618 F  
Calibrated for (Name & Address)

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

E - 14, Sector - 63  
Noida, UP



Received on : 29/12/2020  
Calibrated on : 29/12/2020  
Calibration Due on : 28/12/2021  
Issued on : 29/12/2020  
Page(s) : 1 of 1

#### Description of Equipment / Instrument

Instrument Name : Dig. Temperature Controller  
Make / Model : ---  
Range : 0 - 300 °C  
Least Count / Resolution : 0.1 °C  
Location : Electric Hot Air Oven

Serial No. : ---  
Accuracy : ---  
Type : RTD(PT-100)  
Condition of Equip. : Normal  
Equip. / Party ID : 40

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

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 19

#### Parameter Temperature

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	50.0 °C	50.064 °C	-0.064	0.13	0.26 °C
2	100.0 °C	100.180 °C	-0.180	0.18	0.26 °C
3	200.0 °C	200.436 °C	-0.436	0.22	0.26 °C
4	300.0 °C	300.784 °C	-0.784	0.26	0.26 °C



*C.P. SAXENA  
29/12/2020*  
C.P. SAXENA  
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7) \*\*Measurement of Uncertainty at approx 95.45% confidence level and coverage factor k=2. (Revision-02, Revision Date-22/02/2020, VTC/QP/19)



## 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 / ULR No. CC29352000000 1619 F  
Calibrated for (Name & Address)

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

E - 14, Sector - 63  
Noida, UP

Received on : 29/12/2020  
Calibrated on : 29/12/2020  
Calibration Due on : 28/12/2021  
Issued on : 29/12/2020  
Page(s) : 1 of 1



Description of Equipment / Instrument

Instrument Name : Analog Hour Meter  
Make / Model : Krish  
Range : 0 - 99999.99 Hr  
Least Count / Resolution : 0.01 Hr  
Location : Electric Hot Air Oven

Serial No. : ---  
Accuracy : ---  
Type : ---  
Condition of Equip. : Normal  
Equip. / Party ID : 41

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

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Time Interval Calibrator	Voltagram / TIC01	CC221620000001340F	C & I, Jaipur	24/09/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 25

Parameter Time Interval

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	1800 s	1802.6 s	-2.6	0.14	21 s
2	3600 s	3603.0 s	-3.0	0.08	21 s



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7) \*\*Measurement of Uncertainty at approx 95.45% confidence level and coverage factor k=2. [Revision-02, Revision Date-22/02/2020, VTC/QP/19]



# 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/ 2020122914  
Calibrated for (Name & Address)

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

E - 14, Sector - 63  
Noida, UP

Received on : 29/12/2020  
Calibrated on : 29/12/2020  
Calibration Due on : 28/12/2021  
Issued on : 29/12/2020  
Page(s) : 1 of 1

### Description of Equipment / Instrument

Instrument Name	: Ball Pressure Apparatus	Serial No.	: ---
Make / Model	: ---	Accuracy	: ---
Range	: 20 N	Type	: ---
Least Count / Resolution	: --- N	Condition of Equip.	: Normal
Location	: Lab	Equip. / Party ID	: 42

### 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	CC220920000000084F	UTC, Karnal	01/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 39

### Parameter Mass

S. No.	Avg. Standard Value (M) N	UUC Value (S) N	Error (S-M)	% Error	(±)MU** %
1	20.05	20	-0.05	0.25	1.8



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) \* Not covered under NABL Scope; 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-22/02/2020, VTC/QP/19]



## 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/ 2020122907

Calibrated for (Name & Address)

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

E - 14, Sector - 63  
Noida, UP

Received on : 29/12/2020

Calibrated on : 29/12/2020

Calibration Due on : 28/12/2021

Issued on : 29/12/2020

Page(s) : 1 of 1

#### Description of Equipment / Instrument

Instrument Name	: Dead Weight	Serial No.	: ---
Make / Model	: ---	Accuracy	: ---
Range	: As per Instrument	Type	: ---
Least Count / Resolution	: As per Instrument	Condition of Equip.	: Normal
Location	: Cord Grip Test Apparatus	Equip. / Party ID	: 27

#### 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, 100 kg	Weight Next	CC220920000000085F	UTC, Kamal	01/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 39

#### Parameter Mass

S. No.	Avg. Standard Value (M) N	UUC Value (S) N	Error (S-M)	% Error	(±)MU** %
1	59.91	60	0.09	0.15	1.8



*C.P. SAXENA*  
29/12/2020  
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) \* Not covered under NABL Scope. 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-22/02/2020, VTC/QF/19}



# 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/ 2020122903  
Calibrated for (Name & Address)

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

E - 14, Sector - 63  
Noida, UP.

Received on : 29/12/2020  
Calibrated on : 29/12/2020  
Calibration Due on : 28/12/2021  
Issued on : 29/12/2020  
Page(s) : 1 of 1

### Description of Equipment / Instrument

Instrument Name	: Spring Hammer	Serial No.	: ---
Make / Model	: ---	Accuracy	: ---
Range	: 0 - 5 Joule	Type	: ---
Least Count / Resolution	: 0.5 Joule	Condition of Equip.	: Normal
Location	: Lab	Equip. / Party ID	: 17

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

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Load Testing M/c 2500 N	ESL	CC220920000000088F	UTC, Karnal	01/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 39

### Parameter Mass

S. No.	UUC Value (S)	Jule	Avg. Standard Value (M)	Jule	Error (S-M)	% Error	(±)MU** %
1	0.5		0.508		-0.008	1.6	2.4
2	1.0		1.013		-0.013	1.3	
3	3.0		3.029		-0.029	1.0	
4	5.0		5.084		-0.084	1.7	



C.P. SAXENA  
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C.P. SAXENA  
29/12/2020

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) \* Not covered under NABL Scope. 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-22/02/2020, VTC/QF/19)



# 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 / ULR No. CC29352000000 1634 F  
Calibrated for (Name & Address)

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

E - 14, Sector - 63  
Noida, UP



Received on : 29/12/2020  
Calibrated on : 29/12/2020  
Calibration Due on : 28/12/2021  
Issued on : 29/12/2020  
Page(s) : 1 of 1

### Description of Equipment / Instrument

Instrument Name : Dig. kV Meter  
Make / Model : EKTA  
Range : 0 - 5 kV  
Least Count / Resolution : 0.01 kV  
Location : High Voltage Break Down Tester Line

Serial No. : 0121743  
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	HV Probe With DMM	Fluke / 80K40	CS8384/1	C S, Delhi	18/06/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 26

### Parameter AC Voltage @ 50 Hz

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	1.00 kV	1.002 kV	-0.002	0.18	0.08 kV
2	2.00 kV	2.005 kV	-0.005	0.25	0.15 kV
3	3.00 kV	3.008 kV	-0.008	0.28	0.23 kV
4	5.00 kV	5.016 kV	-0.016	0.33	0.39 kV



C.P. SAXENA  
APPROVED BY (QM/TM)

1/Dec/2020  
29/12/2020

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) \* Not covered under NABL Scope. 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-22/02/2020, VTC/QP/19)



# 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 / ULR No. CC29352000000 1605 F  
Calibrated for (Name & Address)

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

E - 14, Sector - 63  
Noida, UP

Received on : 29/12/2020  
Calibrated on : 29/12/2020  
Calibration Due on : 28/12/2021  
Issued on : 29/12/2020  
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name : Stop Watch  
Make / Model : Racer  
Range : 0 - 24 Hr  
Least Count / Resolution : 0.01 s  
Location : Lab



Serial No. : ---  
Accuracy : ---  
Type : ---  
Condition of Equip. : Normal  
Equip. / Party ID : 9

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

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Time Interval Calibrator	Voltagram / TIC01	CC22162000001340F	C & I, Jaipur	24/09/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 25

Parameter Time Interval

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	10.00 s	9.966 s	0.034	0.34	0.072 s
2	60.00 s	59.873 s	0.127	0.21	0.072 s
3	600.00 s	599.543 s	0.457	0.08	0.072 s



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C.P. SAXENA  
29/12/2020

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) \* Not covered under NABL Scope. 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-22/02/2020, VTC/QP/19)



# 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/ 2020122902  
Calibrated for (Name & Address)

**M/s. Onkar Engine & Generator Pvt. Ltd.**  
E - 14, Sector - 63  
Noida, UP

Received on : 29/12/2020  
Calibrated on : 29/12/2020  
Calibration Due on : 28/12/2021  
Issued on : 29/12/2020  
Page(s) : 1 of 1

### Description of Equipment / Instrument

Instrument Name	:	Angle-D	Serial No.	:	---
Make / Model	:	---	Accuracy	:	---
Range	:	180°	Type	:	---
Least Count / Resolution	:	0.5°	Condition of Equip.	:	Normal
Location	:	Inclined Test Apparatus	Equip. / Party ID	:	16

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

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Profile Projector	Meeratzar	UTC/2019-2020/03200202	UTC, Karnal	01/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab.	VTC/QP/ 56

### Parameter Angle

S. No.	UUC Value (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU** %
1	5 Degree	4.97 Degree	0.03	0.60	1.8
2	10 Degree	9.95 Degree	0.05	0.50	
3	30 Degree	29.92 Degree	0.08	0.27	
4	90 Degree	89.91 Degree	0.09	0.10	
5	180 Degree	179.88 Degree	0.12	0.07	



C.P. SAXENA

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*C.P. SAXENA*  
29/12/2020

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7) \*\*Measurement of Uncertainty at approx 95.45% confidence level and coverage factor k=2. (Revision-02, Revision Date-22/02/2020, VTC/QP/19)



# 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 / ULR No. CC29352000000 1612 F  
Calibrated for (Name & Address)

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

E - 14, Sector - 63  
Noida, UP

Received on : 29/12/2020  
Calibrated on : 29/12/2020  
Calibration Due on : 28/12/2021  
Issued on : 29/12/2020  
Page(s) : 1 of 1

### Description of Equipment / Instrument

Instrument Name : Dig. Micro Ohm Meter  
Make / Model : IE  
Range : 0 - 19.9 Ω  
Least Count / Resolution : As per Instrument  
Location : Lab



Serial No. : ---  
Accuracy : ---  
Type : ---  
Condition of Equip. : Normal  
Equip. / Party ID : 29

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

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Standard Resistance Box	Voltagram / SRB01	CC29352000000622F	VTC, Ghaziabad	01/07/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/18

### Parameter Resistance

S. No.	Standard Reading (M)	Avg. UUC Reading (S)	Error (S-M)	Error %	(±)MU** %
1	1.003 Ω	1.00 Ω	-0.003	-0.30	1.8
2	2.004 Ω	2.02 Ω	0.016	0.79	2.2
3	5.003 Ω	5.04 Ω	0.037	0.73	1.8
4	10.024 Ω	10.12 Ω	0.096	0.95	1.8



*C.P. SAXENA*  
29/12/2020  
C.P. SAXENA  
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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) \* Not covered under NABL Scope, 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-22/02/2020, VTC/QP/19)



# 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/ 2020122908  
Calibrated for (Name & Address)

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

E - 14, Sector - 63  
Noida, UP

Received on : 29/12/2020  
Calibrated on : 29/12/2020  
Calibration Due on : 28/12/2021  
Issued on : 29/12/2020  
Page(s) : 1 of 1

### Description of Equipment / Instrument

Instrument Name	:	Measuring Tape	Serial No.	:	---
Make / Model	:	Local	Accuracy	:	---
Range	:	0 - 3000 mm	Type	:	---
Least Count / Resolution	:	1 mm	Condition of Equip.	:	Normal
Location	:	Lab	Equip. / Party ID	:	28

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

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Profile Projector	Meeratzar	UTC/2019-2020/03200202	UTC, Karnal	01/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 35

### Parameter Dimension

S. No.	UUC Value (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU** %
1	100 mm	99.91 mm	0.09	0.09	1.8
2	500 mm	501.05 mm	-1.05	0.21	
3	1000 mm	1001.08 mm	-1.08	0.11	
4	3000 mm	3002.05 mm	-2.05	0.07	



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) \* Not covered under NABL Scope, 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-22/02/2020, VTC/QF/19)



# 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/ 2020122910  
Calibrated for (Name & Address)

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

E - 14, Sector - 63  
Noida, UP

Received on : 29/12/2020  
Calibrated on : 29/12/2020  
Calibration Due on : 28/12/2021  
Issued on : 29/12/2020  
Page(s) : 1 of 1

### Description of Equipment / Instrument

Instrument Name	:	Torque Wrench	Serial No.	:	---
Make / Model	:	Insize	Accuracy	:	---
Range	:	3 - 14 Nm	Type	:	---
Least Count / Resolution	:	0.5 Nm	Condition of Equip.	:	Normal
Location	:	Lab	Equip. / Party ID	:	33

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

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Weight Box	Weightron	CC220920000000093F	UTC, Karnal	08/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 40

### Parameter Torque

S. No.	UUC Value (S) Nm	Avg. Standard Value (M) Nm	Error (S-M)	% Error	(±)MU** %
1	3.0	3.05	-0.05	1.7	1.4
2	5.0	5.08	-0.08	1.6	
3	10.0	10.15	-0.15	1.5	
4	14.0	14.18	-0.18	1.3	



C.P. SAXENA  
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Note - 1) Calibration temperature - 23±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) \* Not covered under NABL Scope. 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-22/02/2020, VTC/QP/19}



# 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 / ULR No. CC29352000000 1635 F  
Calibrated for (Name & Address)

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

E - 14, Sector - 63  
Noida, UP



NABL ACCREDITED  
CC-2935

Received on : 29/12/2020  
Calibrated on : 29/12/2020  
Calibration Due on : 28/12/2021  
Issued on : 29/12/2020  
Page(s) : 1 of 1

### Description of Equipment / Instrument

Instrument Name : Dig. Volt Meter  
Make / Model : EKTA  
Range : 0 - 300 V  
Least Count / Resolution : 0.1 V  
Location : Multi Test Panel Line

Serial No. : 0121745  
Accuracy : +/- 1.0%  
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	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 16

Parameter AC Voltage @ 50 Hz

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	100.0 V	100.126 V	-0.126	0.13	0.09 V
2	200.0 V	200.344 V	-0.344	0.17	0.13 V
3	300.0 V	300.626 V	-0.626	0.21	0.19 V



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) \* Not covered under NABL Scope; 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-22/02/2020, VTC/QP/19)



## 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 / ULR No. CC29352000000 1636 F  
Calibrated for (Name & Address)

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

E - 14, Sector - 63  
Noida, UP



Received on : 29/12/2020  
Calibrated on : 29/12/2020  
Calibration Due on : 28/12/2021  
Issued on : 29/12/2020  
Page(s) : 1 of 1

#### Description of Equipment / Instrument

Instrument Name : Dig. Ampere Meter  
Make / Model : EKTA  
Range : 0 - 30/5 A  
Least Count / Resolution : 0.01 A  
Location : Multi Test Panel Line

Serial No. : 0121746  
Accuracy : +/- 1.0%  
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	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 17

Parameter AC Current @ 50 Hz

S. No.	UUC Reading (S)	Avg. Standard Reading	Proportionate Value (M)	Error (S-M)	Error %	(±)MU**
1	6.00 A	1.01 A	6.041 A	-0.041	0.68	0.011 A
2	18.00 A	3.01 A	18.077 A	-0.077	0.43	0.032 A
3	30.00 A	5.02 A	30.097 A	-0.097	0.32	0.054 A



Received  
29/12/2020  
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) \* Not covered under NABL Scope. 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-22/02/2020, VTC/QP/19)



# 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 / ULR No. CC29352000000 1637 F  
Calibrated for (Name & Address)

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

E - 14, Sector - 63  
Noida, UP



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CC-2935

Received on : 29/12/2020  
Calibrated on : 29/12/2020  
Calibration Due on : 28/12/2021  
Issued on : 29/12/2020  
Page(s) : 1 of 1

### Description of Equipment / Instrument

Instrument Name : Dig Watt Meter  
Make / Model : EKTA  
Range : 0 - 6000 W  
Least Count / Resolution : 1 W  
Location : Multi Test Panel Line

Serial No. : 0121747  
Accuracy : +/- 1.0%  
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	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 20

### Parameter Wattage @ 50 Hz, UPF

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU** %
1	120 W	120.62 W	-0.62	0.52	1.3
2	1200 W	1201.72 W	-1.72	0.14	1.3
3	2400 W	2403.62 W	-3.62	0.15	1.3
4	4800 W	4805.68 W	-5.68	0.12	1.3
5	6000 W	6006.38 W	-6.38	0.11	1.3



C.P. SAXENA  
APPROVED BY (QM/TM)

*C.P. SAXENA  
29/12/2020*

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# 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 / ULR No. CC29352000000 1633 F  
Calibrated for (Name & Address)

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

E - 14, Sector - 63  
Noida, UP



Received on : 29/12/2020  
Calibrated on : 29/12/2020  
Calibration Due on : 28/12/2021  
Issued on : 29/12/2020  
Page(s) : 1 of 1

### Description of Equipment / Instrument

Instrument Name	: Dig. Milli Ampere Meter	Serial No.	: 0121742
Make / Model	: EKTA	Accuracy	: +/- 1.0%
Range	: 0 - 20.00 A	Type	: ---
Least Count / Resolution	: 0.01 A	Condition of Equip.	: Normal
Location	: Multi Test Panel, Leakage Current Test	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	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 17

### Parameter AC Current @ 50 Hz

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	1.00 A	1.002 A	-0.002	0.16	0.006 A
2	5.00 A	5.011 A	-0.011	0.21	0.009 A
3	10.00 A	10.032 A	-0.032	0.32	0.018 A
4	19.00 A	19.052 A	-0.052	0.28	0.035 A



C.P. SAXENA  
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29/12/2020

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## 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 / ULR No. CC29352000000 1642 F  
Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.  
E - 14, Sector - 63  
Noida, UP



Received on : 29/12/2020  
Calibrated on : 29/12/2020  
Calibration Due on : 28/12/2021  
Issued on : 29/12/2020  
Page(s) : 1 of 1

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CC-2935

#### Description of Equipment / Instrument

Instrument Name	: Dig. Micro Amp Meter	Serial No.	: 0121751
Make / Model	: EKTA	Accuracy	: +/- 1.0%
Range	: 0 - 500 μA	Type	: ---
Least Count / Resolution	: 1 μA	Condition of Equip.	: Normal
Location	: Multi Test Panel Line, Leakage Current Test	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	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 17

#### Parameter AC Current @ 50 Hz

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	50 μA	50.140 μA	-0.140	0.28	0.61 μA
2	100 μA	100.360 μA	-0.360	0.36	0.64 μA
3	300 μA	301.260 μA	-1.260	0.42	1.7 μA
4	500 μA	501.540 μA	-1.540	0.31	2.9 μA



C.P. SAXENA  
APPROVED BY (QM/TM)

C.P. SAXENA  
29/12/2020

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# 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 / ULR No. CC29352000000 1639 F  
Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.  
E - 14, Sector - 63  
Noida, UP



Received on : 29/12/2020  
Calibrated on : 29/12/2020  
Calibration Due on : 28/12/2021  
Issued on : 29/12/2020  
Page(s) : 1 of 1

### Description of Equipment / Instrument

Instrument Name : Dig. Volt Meter ECRT  
Make / Model : EKTA  
Range : 0 - 9.99 V  
Least Count / Resolution : 0.01 V  
Location : Multi Test Panel Line

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CC-2935

Serial No. : 0121749  
Accuracy : +/- 1.0%  
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	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 16

Parameter: AC Voltage @ 50 Hz

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	1.00 V	1.002 V	-0.002	0.24	0.006 V
2	3.00 V	3.011 V	-0.011	0.35	0.006 V
3	6.00 V	6.023 V	-0.023	0.39	0.006 V
4	9.00 V	9.043 V	-0.043	0.47	0.009 V



C.P. SAXENA  
APPROVED BY (QM/TM)

29/12/2020

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) \* Not covered under NABL Scope, 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-22/02/2020, VTC/QF/19)



# 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 / ULR No. CC29352000000 1640 F  
Calibrated for (Name & Address)

**M/s. Onkar Engine & Generator Pvt. Ltd.**  
E - 14, Sector - 63  
Noida, UP



NABL ACCREDITED  
CC-2935

Received on : 29/12/2020  
Calibrated on : 29/12/2020  
Calibration Due on : 28/12/2021  
Issued on : 29/12/2020  
Page(s) : 1 of 1

### Description of Equipment / Instrument

Instrument Name	: Dig. Ampere Meter ECRT	Serial No.	: 0121750
Make / Model	: EKTA	Accuracy	: +/- 1.0%
Range	: 0 - 30/5 A	Type	: ---
Least Count / Resolution	: 0.01 A	Condition of Equip.	: Normal
Location	: Multi Test Panel Line	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	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 17

Parameter AC Current @ 50 Hz

S. No.	UUC Reading (S)	Avg. Standard Reading	Proportionate Value (M)	Error (S-M)	Error %	(±)MU**
1	6.00 A	1.01 A	6.035 A	-0.035	0.58	0.011 A
2	18.00 A	3.01 A	18.086 A	-0.086	0.48	0.032 A
3	30.00 A	5.02 A	30.110 A	-0.110	0.37	0.054 A

*C.P. SAXENA  
29/12/2020*

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) \* Not covered under NABL Scope; 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-22/02/2020, VTC/QP/19]



# 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 / ULR No. CC29352000000 1641 F  
Calibrated for (Name & Address)

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

E - 14, Sector - 63  
Noida, UP



Received on : 29/12/2020  
Calibrated on : 29/12/2020  
Calibration Due on : 28/12/2021  
Issued on : 29/12/2020  
Page(s) : 1 of 1

### Description of Equipment / Instrument

Instrument Name	: IR Tester	Serial No.	: 1017
Make / Model	: IE	Accuracy	: ---
Range	: 2 - 100 MΩ	Type	: ---
Least Count / Resolution	: As per Instrument	Condition of Equip.	: Normal
Location	: Multi Test Panel Line	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	HV Megaohm Box	Voltagram / 1G	CC29352000000978F	VTC, Ghaziabad	28/08/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 18, 16

### Parameter Insulation Resistance @ 500VDC

S. No.	Standard Reading (M)	Avg. UUC Reading (S)	Error (S-M)	% Error	(±)MU**
1	2.0004 MΩ	2 MΩ	-0.00040	0.02	1.15 MΩ
2	5.0075 MΩ	5 MΩ	-0.00750	0.15	1.16 MΩ
3	10.0019 MΩ	10 MΩ	-0.00190	0.02	0.25 MΩ
4	50.0246 MΩ	50 MΩ	-0.02460	0.05	1.25 MΩ
5	100.0125 MΩ	100 MΩ	-0.01250	0.01	2.50 MΩ



C.P. SAXENA  
APPROVED BY (QM/TM)

C.P. SAXENA  
29/12/2020

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) \* Not covered under NABL Scope. Measurements are traceable to National standards through unbroken chain of calibration from NABL accredited/Competent laboratory; 7) \*\*Measurement of Uncertainty at approx 95.43% confidence level and coverage factor k=2. (Revision-02, Revision Date-22/02/2020, VTC/QP/19)



## 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 / ULR No. CC2935200000 1638 F  
Calibrated for (Name & Address)

**M/s. Onkar Engine & Generator Pvt. Ltd.**  
E - 14, Sector - 63  
Noida, UP



Received on : 29/12/2020  
Calibrated on : 29/12/2020  
Calibration Due on : 28/12/2021  
Issued on : 29/12/2020  
Page(s) : 1 of 1

#### Description of Equipment / Instrument

Instrument Name	: Dig. Frequency Meter	Serial No.	: 0121748
Make / Model	: EKTA	Accuracy	: +/- 1.0%
Range	: 45 - 60 Hz	Type	: ---
Least Count / Resolution	: 0.01 Hz	Condition of Equip.	: Normal
Location	: Multi Test Panel Line	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	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Site	VTC/QP/ 24

#### Parameter Frequency

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	45.00 Hz	45.017 Hz	-0.017	0.04	0.07 Hz
2	50.00 Hz	50.015 Hz	-0.015	0.03	0.08 Hz
3	55.00 Hz	55.022 Hz	-0.022	0.04	0.16 Hz
4	60.00 Hz	60.054 Hz	-0.054	0.09	0.17 Hz



*C.P. SAXENA  
29/12/2020*  
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) \* Not covered under NABL Scope; 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-22/02/2020, VTC/QP/19)



# 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/ 2020122918  
Calibrated for (Name & Address)

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

E - 14, Sector - 63  
Noida, UP

Received on : 29/12/2020  
Calibrated on : 29/12/2020  
Calibration Due on : 28/12/2021  
Issued on : 29/12/2020  
Page(s) : 1 of 1

### Description of Equipment / Instrument

Instrument Name	: Thermohygro Meter	Serial No.	: ---
Make / Model	: HTC-I	Accuracy	: ---
Range	: -50 to 70 °C, 10 - 99%Rh	Type	: ---
Least Count / Resolution	: 0.1 °C, 1% Rh	Condition of Equip.	: Normal
Location	: Lab	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	Dig Thermohygro Meter	HTC	CC220920000000920F	UTC, Karnal	08/09/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 37

### Parameter Relative Humidity

S. No.	UUC Value (S) %Rh	Avg. Standard Value (M) %Rh	Error (S-M)	% Error	(±)MU** %
1	40	41.1	-1.10	2.75	1.9
2	60	61.3	-1.30	2.17	
3	80	83.2	-3.20	4.00	
4	90	92.5	-2.50	2.78	

### Parameter Temperature

S. No.	UUC Value (S) °C	Avg. Standard Value (M) °C	Error (S-M)	% Error	(±)MU** %
1	20.0	19.61	0.39	1.95	1.3
2	30.0	29.36	0.64	2.13	
3	40.0	39.32	0.68	1.70	
4	50.0	49.18	0.82	1.64	



C.P. SAXENA  
APPROVED BY (QM/TM)

*C.P. SAXENA  
29/12/2020*

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) \* Not covered under NABL Scope. 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-22/02/2020, VTC/QF/19}



## 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/ 2021032601  
Calibrated for (Name & Address)

**M/s. Onkar Engine & Generator Pvt. Ltd.**  
E - 14, Sector - 63  
Noida, UP

Received on : 26/03/2021  
Calibrated on : 26/03/2021  
Calibration Due on : 25/03/2022  
Issued on : 26/03/2021  
Page(s) : 1 of 1

#### Description of Equipment / Instrument

Instrument Name : Travelling Micro Scope

**Make / Model**

Range 0 - 150 mm(H), 0-220 mm (V), 100

Least Count / Resolution : 0.01 mm, 0.01 mrad

Least Common Imitation : G.3  
Location : Lat.

Serial No. : ---

### Accuracy

**Type**

Condition of Equip. : Normal

Equip. / Party ID : -

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

Description of Standard / Reference Equipment(s) / Instruments used for Calibration					
S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Slip Gauge Block Set	Insize	UTC/2020-2021/03210206	UTC, Karnal	01/03/2022
2	SS Weights, 5,10,20,50kg	Weightron	CC220921000000328	UTC, Karnal	10/03/2022

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/35

Parameter	Dimension	Horizontal			
		Standard Value, mm (M)	UUC reading, mm (S)	Error (S-M)	% Error
1	0.5	0.48	-0.02	4.17	1.2
2	1.0	0.99	-0.01	1.01	
3	5.0	4.96	-0.04	0.81	
4	10.0	9.94	-0.06	0.60	

Amrit Kumar

Amit Kumar  
**APPROVED BY**

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) \* Not covered under NABL, Scale, 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 22/02/2020, VTC/QC/19)



## 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. VJC/OEG/ 2021032602

Calibrated for (Name & Address)

M/s. Oakar Engine & Generator Pvt. Ltd.

Page - 14 Sector - 63

E-14, Sec.  
Noida, U.P.

Received on : 26/03/2021  
Calibrated on : 26/03/2021  
Calibration Due on : 25/03/2022  
Issued on : 26/03/2021  
Passed(s) : 1 of 1

Serial No. : —  
 Accuracy : —  
 Type : —  
 Condition of Equip. : Normal  
 Equip. / Party ID : —

Location : L30

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration					
S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Chromatograph	CC220021000000344F	UTC, Karnal	16/03/2022	

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

Parameter		Volume					
S. No.	UUC Value (S)	ml	Avg. Standard Value (M)	ml	Error (S-M)	% Error	(±)MU** %
1	5		4.989		0.011	0.220	2.3
2	25		24.977		0.023	0.092	
3	50		49.982		0.018	0.036	
4	100		99.971		0.029	0.029	

Anit Kumar

Amit Kumar  
**APPROVED BY**



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7) \*\*Measurement of Uncertainty at approx 95.45% confidence level and coverage factor k=2. [Revision-02, Revision Date-22/02/2020, VTC/QF/19]



# 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/QEG/ 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	CC22092100000347F	UTC, Kamal	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)

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# 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/ 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	
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	

C.P. SAXENA  
07/06/2021

C.P. SAXENA  
APPROVED BY (QMTM)



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/QP/19)



# 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/ 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 : Dual Pressure Gauge  
Make / Model : Wika  
Range : 0 - 300 Psi  
Least Count / Resolution : 5 Psi  
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)	Psi	Avg. Standard Value (M) Psi				( $\pm$ )MU** %
			Ascending	Error (S-M)	Descending	Error (S-M)	
1	25	24.869	0.131	24.675	0.325		1.2
2	75	75.024	-0.024	75.021	-0.021		
3	150	150.207	-0.207	150.212	-0.212		
4	200	200.711	-0.711	200.714	-0.714		
5	300	300.015	-0.015	300.017	-0.017		



C.P. Sealed  
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. 1 Revision-02, Revision Date-01/04/2021, VTC/QP/10



# 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/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, Kamal	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				( $\pm$ )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	



C.P. SAXENA  
67/06/2021  
C.P. SAXENA  
APPROVED BY (QM/TM)

Notes:- 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/QP/19)



# 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/ 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  
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	Serial No.	: ---
Make / Model	: Mass	Accuracy	: ---
Range	: 0 - 300 Psi	Type	: ---
Least Count / Resolution	: 5 Psi	Condition of Equip.	: Normal
Location	: Line Testing	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		



*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/QP/19).



## 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/QEP/ 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, Kamal	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	



C.P. SAXENA  
APPROVED BY (QMTM)

C.P. SAXENA  
07/06/2021

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/UNJC - 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/QP/19)