



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. CC293521000000 748 F

Calibrated for (Name & Address)

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

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



CC-2935

Received on : 16/04/2021
Calibrated on : 16/04/2021
Calibration Due on : 15/04/2022
Issued on : 16/04/2021
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name : Dig. Volt Meter
Make / Model : Ekta
Range : 0 - 600 V
Least Count / Resolution : 0.1 V
Location : Lab, MTP 2

Serial No. : ---
Accuracy : +/-1%
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/2021/0185	Ashaankan, Noida	17/03/2022

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	99.85 V	0.15	0.15	0.08 V
2	200.0 V	199.87 V	0.13	0.06	0.13 V
3	300.0 V	299.82 V	0.18	0.06	0.19 V
4	500.0 V	499.74 V	0.26	0.05	0.32 V
5	600.0 V	598.59 V	1.41	0.23	0.38 V



C.P.Saxena
16/04/2021
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 / ULR No. CC293521000000 749 F

Calibrated for (Name & Address)

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

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



CC-2935

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Description of Equipment / Instrument

Instrument Name : Dig. Amp Meter
Make / Model : Ekta
Range : 0 - 20 A
Least Count / Resolution : 0.01 A
Location : Lab, MTP 2

Serial No. : ---
Accuracy : +/-1%
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/2021/0185	Ashaankan, Noida	17/03/2022

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	0.995 A	0.005	0.50	0.006 A
2	5.00 A	4.993 A	0.007	0.14	0.009 A
3	10.00 A	9.986 A	0.014	0.14	0.018 A
4	20.00 A	19.981 A	0.019	0.09	0.036 A



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16/04/2021

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CALIBRATION CERTIFICATE

Certificate / ULR No. CC293521000000 750 F

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Description of Equipment / Instrument

Instrument Name : Dig. Watt Meter
Make / Model : EKTA
Range : 0 - 4000 W
Least Count / Resolution : 1 W
Location : Lab, MTP 2

Serial No. : ---
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	Certificate No.	Calibrated By	Cal. Due on
1	Multi Function Calibrator	Fluke / 5502A	AIPL/2021/0185	Ashaankan, Noida	17/03/2022

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	120.70 W	-0.70	0.58	1.3
2	1200 W	1201.90 W	-1.90	0.16	1.3
3	2400 W	2405.26 W	-5.26	0.22	1.3
4	4000 W	4003.62 W	-3.62	0.09	1.3



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CALIBRATION CERTIFICATE

Certificate / ULR No. CC293521000000 751 F

Calibrated for (Name & Address)

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

Noida, UP - 201 301



CC-2935

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Page(s) : 1 of 1

Serial No. : ---
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	HV Megaohm Box	Voltagram / 1G	CC293520000000978F	VTC, Ghaziabad	28/08/2021

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

Parameter Insulation Resistance

S. No.	Standard Reading (M)	Avg. UUC Reading (S)	Error (S-M)	% Error	(±)MU**
1	2.0004 MΩ	2 MΩ	-0.0004	0.02	0.58 MΩ
2	5.0075 MΩ	5 MΩ	-0.0075	0.15	0.58 MΩ
3	10.0019 MΩ	10 MΩ	-0.0019	0.02	0.6 MΩ
4	50.0246 MΩ	50 MΩ	-0.0246	0.05	1.8 MΩ
5	100.0125 MΩ	100 MΩ	-0.0125	0.01	3.5 MΩ



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(P. Saxena)
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Certificate / ULR No. CC293521000000 752 F

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Description of Equipment / Instrument

Instrument Name : Dig. Micro Amp Meter
Make / Model : Ekta
Range : 0 - 500 μ A
Least Count / Resolution : 1 μ A
Location : Lab, MTP 2

Serial No. : ---
Accuracy : +/- 1.0%
Type : ---
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/2021/0185	Ashaankan, Noida	17/03/2022

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 μ A	49.8 μ A	0.2	0.40	0.6 μ A
2	100 μ A	99.9 μ A	0.1	0.10	0.6 μ A
3	300 μ A	299.5 μ A	0.5	0.17	1.7 μ A
4	500 μ A	498.7 μ A	1.3	0.26	2.9 μ A



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Description of Equipment / Instrument

Instrument Name : Dig. Volt Meter
Make / Model : Ekta
Range : 0 - 99.99 V
Least Count / Resolution : 0.01 V
Location : Finger Test, Lab

Serial No. : ---
Accuracy : +/- 1.0%
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	Multi Function Calibrator	Fluke / 5502A	AIPL/2021/0185	Ashaankan, Noida	17/03/2022

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	20.115 V	-0.115	0.57	0.012 V
2	50.00 V	50.018 V	-0.018	0.04	0.033 V
3	70.00 V	70.121 V	-0.121	0.17	0.044 V
4	90.00 V	90.026 V	-0.026	0.03	0.057 V



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16/04/2021*

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CALIBRATION CERTIFICATE

Certificate / ULR No. CC293521000000 754 F

Calibrated for (Name & Address)

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

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



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Serial No. : ---
Accuracy : ---
Type : ---
Condition of Equip. : Normal
Equip. / Party ID : 8

Description of Equipment / Instrument

Instrument Name : Dig. Stop Watch
Make / Model : ---
Range : 0 - 86400 s
Least Count / Resolution : 0.01 s
Location : Lab

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	10.00 W	9.970 W	0.030	0.304	0.072 W
2	60.00 s	59.866 s	0.134	0.223	0.072 s
3	300.00 s	299.655 s	0.345	0.115	0.072 s
4	600.00 s	599.324 s	0.676	0.113	0.072 s



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16/04/2021
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Serial No. : ---
Accuracy : +/- 1.0%
Type : ---
Condition of Equip. : Normal
Equip. / Party ID : 9

Description of Equipment / Instrument

Instrument Name : Dig. Volt Meter
Make / Model : Ekta
Range : 0 - 9.99 V
Least Count / Resolution : 0.01 V
Location : ECRT, Lab, MTP-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/2021/0185	Ashaankan, Noida	17/03/2022

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	0.976 V	0.024	2.4	0.06 V
2	3.00 V	2.894 V	0.106	3.5	0.12 V
3	6.00 V	5.972 V	0.028	0.5	0.18 V
4	9.00 V	8.985 V	0.015	0.2	0.28 V



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*C.P. SAXENA
16/04/2021*

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CALIBRATION CERTIFICATE

Certificate / ULR No. CC293521000000 756 F

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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 : 0.1 A
Location : ECRT, Lab, MTP-1

Serial No. : ---
Accuracy : +/- 1.0%
Type : ---
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/2021/0185	Ashaankan, Noida	17/03/2022

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 A	1.01 A	6.036 A	-0.036	0.6	0.06 A
2	12 A	2.02 A	12.108 A	-0.108	0.9	0.06 A
3	18 A	3.03 A	18.168 A	-0.168	0.9	0.06 A
4	24 A	4.03 A	24.168 A	-0.168	0.7	0.06 A
5	30 A	5.04 A	30.264 A	-0.264	0.9	0.07 A



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CALIBRATION CERTIFICATE

Certificate / ULR No. CC293521000000 757 F

Calibrated for (Name & Address)

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Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name : Dig. Ampere Meter
Make / Model : Ekta
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 : 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	Multi Function Calibrator	Fluke / 5502A	AIPL/2021/0185	Ashaankan, Noida	17/03/2022

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	80.0 A	1.995 A	79.80 A	0.20	0.25	0.14 A
2	120.0 A	2.991 A	119.64 A	0.36	0.30	0.22 A
3	200.0 A	4.994 A	199.76 A	0.24	0.12	0.36 A



(P. Saxena)
16/04/2021
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CALIBRATION CERTIFICATE

Certificate / ULR No. CC293521000000 758 F

Calibrated for (Name & Address)

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Description of Equipment / Instrument

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

Serial No. : ---
Accuracy : ---
Type : K-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	Multi Function Calibrator	Fluke / 5502A	AIPL/2021/0185	Ashaankan, Noida	17/03/2022

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	499.876 °C	0.124	0.02	0.65 °C
2	700 °C	698.873 °C	1.127	0.16	0.65 °C
3	900 °C	898.866 °C	1.134	0.13	0.65 °C
4	1100 °C	1098.945 °C	1.055	0.10	0.74 °C



C.P. SAXENA
16/04/2021

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}



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. CC293521000000 759 F
Calibrated for (Name & Address)

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

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



CC-2935

Received on : 16/04/2021
Calibrated on : 16/04/2021
Calibration Due on : 15/04/2022
Issued on : 16/04/2021
Page(s) : 1 of 1

Description of Equipment / Instrument

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

Serial No. : ---
Accuracy : ---
Type : ---
Condition of Equip. : Normal
Equip. / Party ID : 13

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 s	29.968 s	0.032	0.11	0.06 s
2	60 s	59.962 s	0.038	0.06	0.06 s
3	90 s	89.973 s	0.027	0.03	0.07 s



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

*C.P. Saxena
16/04/2021*

Note:- 1) Calibration temperature:- $25 \pm 2^{\circ}\text{C}$; 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}



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. CC293521000000 760 F

Calibrated for (Name & Address)

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

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



CC-2935

Received on : 16/04/2021
Calibrated on : 16/04/2021
Calibration Due on : 15/04/2022
Issued on : 16/04/2021
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name : Dig. Temperature Meter
Make / Model : Ekta
Range : 0 - 300 °C
Least Count / Resolution : 0.1 °C
Location : Lab, with 5 sensore wire

Serial No. : ---
Accuracy : +/- 1.0%
Type : RTD(PT-100)
Condition of Equip. : Normal
Equip. / Party ID : 14

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/2021/0185	Ashaankan, Noida	17/03/2022

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	49.984 °C	0.016	0.03	0.26 °C
2	100 °C	99.978 °C	0.022	0.02	0.26 °C
3	200 °C	198.886 °C	1.114	0.56	0.26 °C
4	300 °C	298.769 °C	1.231	0.41	0.26 °C



*C.P. SAXENA
16/04/2021*
C.P. SAXENA
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CALIBRATION CERTIFICATE

Certificate / ULR No. CC293521000000 761 F

Calibrated for (Name & Address)

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

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



Received on : 16/04/2021
Calibrated on : 16/04/2021
Calibration Due on : 15/04/2022
Issued on : 16/04/2021
Page(s) : 1 of 1

Description of Equipment / Instrument

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

Serial No. : ---
Accuracy : +/- 1.0%
Type : RTD(PT-100)
Condition of Equip. : Normal
Equip. / Party ID : 18

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/2021/0185	Ashaankan, Noida	17/03/2022

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	49.76 °C	0.24	0.48	0.26 °C
2	100 °C	99.78 °C	0.22	0.22	0.26 °C
3	200 °C	199.75 °C	0.25	0.13	0.26 °C
4	300 °C	298.69 °C	1.31	0.44	0.26 °C



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



CALIBRATION CERTIFICATE

Certificate / ULR No. CC293521000000 762 F
Calibrated for (Name & Address)

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

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



CC-2935

Received on : 16/04/2021
Calibrated on : 16/04/2021
Calibration Due on : 15/04/2022
Issued on : 16/04/2021
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name : Dig. Hour Meter
Make / Model : ---
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 : 19

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	1800.6 s	-0.6	0.033	21 s
2	3600 s	3601.2 s	-1.2	0.033	21 s



*C.P. SAXENA
16/04/2021*

C.P. SAXENA
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CALIBRATION CERTIFICATE

Certificate / ULR No. CC293521000000 763 F

Calibrated for (Name & Address)

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

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



Received on : 16/04/2021
Calibrated on : 16/04/2021
Calibration Due on : 15/04/2022
Issued on : 16/04/2021
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 : 21

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/2021/0185	Ashaankan, Noida	17/03/2022

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	30.0 °C	29.88 °C	0.12	0.40	0.26 °C
2	60.0 °C	59.93 °C	0.07	0.12	0.26 °C
3	80.0 °C	79.85 °C	0.15	0.19	0.26 °C
4	90.0 °C	89.68 °C	0.32	0.36	0.26 °C



*C.P. SAXENA
16/04/2021*
C.P. SAXENA
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CALIBRATION CERTIFICATE

Certificate / ULR No. CC293521000000 764 F
Calibrated for (Name & Address)

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

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



CC-2935

Received on : 16/04/2021
Calibrated on : 16/04/2021
Calibration Due on : 15/04/2022
Issued on : 16/04/2021
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 : Humidity Chamber

Serial No. : ---
Accuracy : ---
Type : ---
Condition of Equip. : Normal
Equip. / Party ID : 23

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	1800 s	1800.6 s	-0.6	0.03	21 s
2	3600 s	3601.2 s	-1.2	0.03	21 s



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

C.P. SAXENA
16/04/2021

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VOLTAGRAM TESTING & CALIBRATION

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



CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352100000 765 F
Calibrated for (Name & Address)

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

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



CC-2935

Received on : 16/04/2021
Calibrated on : 16/04/2021
Calibration Due on : 15/04/2022
Issued on : 16/04/2021
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name : Dig. Milli Ohm Meter
Make / Model : IE
Range : As per Instrument
Least Count / Resolution : As per Instrument
Location : Lab

Serial No. : ---
Accuracy : As per Manual
Type : ---
Condition of Equip. : Normal
Equip. / Party ID : 24

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	CC293520000000622F	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	1.001 mΩ	1.00 mΩ	0.001	0.12	0.02 mΩ
2	1.003 Ω	1.01 Ω	0.010	0.95	0.02 Ω
3	10.024 Ω	10.03 Ω	0.002	0.02	0.18 Ω



*C.P.Saxena
16/04/2021*
C.P. SAXENA
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VOLTAGRAM TESTING & CALIBRATION

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CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352100000 766 F

Calibrated for (Name & Address)

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

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



Received on : 16/04/2021
Calibrated on : 16/04/2021
Calibration Due on : 15/04/2022
Issued on : 16/04/2021
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name : Dig. Volt Meter
Make / Model : Ekta
Range : 0 - 500 V
Least Count / Resolution : 0.1 V
Location : Endurance Test Panel

Serial No. : ---
Accuracy : +/- 1.0%
Type : ---
Condition of Equip. : Normal
Equip. / Party ID : 26

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/2021/0185	Ashaankan, Noida	17/03/2022

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	99.890 V	0.110	0.11	0.085 V
2	200.0 V	199.850 V	0.150	0.08	0.134 V
3	300.0 V	299.810 V	0.190	0.06	0.188 V
4	450.0 V	449.760 V	0.240	0.05	0.295 V



C.P. SAXENA
16/04/2021
C.P. SAXENA
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CALIBRATION CERTIFICATE

Certificate / ULR No. CC293521000000 767 F
Calibrated for (Name & Address)

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

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



CC-2935

Received on : 16/04/2021
Calibrated on : 16/04/2021
Calibration Due on : 15/04/2022
Issued on : 16/04/2021
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name : Dig. Amp Meter
Make / Model : Ekta
Range : 0 - 20 A
Least Count / Resolution : 0.01 A
Location : Endurance Test Panel

Serial No. : ---
Accuracy : +/- 1.0%
Type : ---
Condition of Equip. : Normal
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	Multi Function Calibrator	Fluke / 5502A	AIPL/2021/0185	Ashaankan, Noida	17/03/2022

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	1.0 A	0.991 A	0.009	0.90	0.006 A
2	5.0 A	4.986 A	0.014	0.28	0.009 A
3	10.0 A	9.982 A	0.018	0.18	0.018 A
4	20.0 A	19.979 A	0.021	0.11	0.036 A



*C.P. SAXENA
16/04/2021*
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 / ULR No. CC29352100000 768 F
Calibrated for (Name & Address)

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

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



CC-2935

Received on : 16/04/2021
Calibrated on : 16/04/2021
Calibration Due on : 15/04/2022
Issued on : 16/04/2021
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name : Dig. Timer cycle On/Off
Make / Model : Ekta
Range : 0 - 99.9 min
Least Count / Resolution : 0.1 min
Location : Endurance Test Panel

Serial No. : ---
Accuracy : +/- 1.0%
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	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	20 s	19.961 s	0.039	0.194	0.06 s
2	60 s	59.963 s	0.037	0.062	0.06 s
3	90 s	89.962 s	0.038	0.042	0.07 s



*C.P. SAXENA
16/04/2021*
C.P. SAXENA
APPROVED BY (QM/TM)

Note:- 1) Calibration temperature:- $25 \pm 2^{\circ}\text{C}$; 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}



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. CC293521000000 769 F

Calibrated for (Name & Address)

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

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



CC-2935

Received on : 16/04/2021
Calibrated on : 16/04/2021
Calibration Due on : 15/04/2022
Issued on : 16/04/2021
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name : Dig. Watt Meter
Make / Model : EKTA
Range : 0 - 4000 W
Least Count / Resolution : 1 W
Location : Endurance Test Panel

Serial No. : ---
Accuracy : +/- 1.0%
Type : ---
Condition of Equip. : Normal
Equip. / Party ID : 30

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/2021/0185	Ashaankan, Noida	17/03/2022

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	120.50 W	-0.50	0.42	1.3
2	1200 W	1201.20 W	-1.20	0.10	1.3
3	2400 W	2402.40 W	-2.40	0.10	1.3
4	4000 W	4002.90 W	-2.90	0.07	1.3



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

C.P. SAXENA
16/04/2021

Note:- 1) Calibration temperature:- $25 \pm 2^{\circ}\text{C}$; 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}



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. CC293521000000 770 F
Calibrated for (Name & Address)

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

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



CC-2935

Received on : 16/04/2021
Calibrated on : 16/04/2021
Calibration Due on : 15/04/2022
Issued on : 16/04/2021
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name : Hour Meter
Make / Model : Ekta
Range : 0 - 9999.99 Hr
Least Count / Resolution : 0.01 Hr
Location : Endurance Test Panel

Serial No. : ---
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	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	1800.6 s	-0.6	0.03	21 s
2	3600 s	3601.2 s	-1.2	0.03	21 s



C.P. SAXENA
16/04/2021
C.P. SAXENA
APPROVED BY (QM/TM)



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CALIBRATION CERTIFICATE

Certificate No. VTC/OEG/ 2021041901

Calibrated for (Name & Address)

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

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

Received on : 16/04/2021
Calibrated on : 16/04/2021
Calibration Due on : 15/04/2022
Issued on : 16/04/2021
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name : Dead Weight
Make / Model : Ekta
Range : 5 kg
Least Count / Resolution : --- kg
Location : Lab

Serial No. : ---
Accuracy : ---
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	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/ 36

Parameter Force

S. No.	Avg. Standard Value (M) kg	UUC Value (S) kg	Error (S-M) kg	% Error	(±)MU** %
1	5.011	5	-0.01	0.22	1.8



*C.P. SAXENA
16/04/2021*
C.P. SAXENA
APPROVED BY (QM/TM)

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CALIBRATION CERTIFICATE

Certificate No. VTC/OEG/ 2021041902

Calibrated for (Name & Address)

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

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

Received on : 16/04/2021
Calibrated on : 16/04/2021
Calibration Due on : 15/04/2022
Issued on : 16/04/2021
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name	: Travelling Micro Scope	Serial No.	: ---
Make / Model	: ---	Accuracy	: ---
Range	: 0 - 180 mm(H), 0-150 mm (V), 10X	Type	: ---
Least Count / Resolution	: 0.01 mm	Condition of Equip.	: Normal
Location	: Lab	Equip. / Party ID	: 15

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	UTC/2020-2021/03210206	UTC, Karnal	01/03/2022

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

Parameter Dimension Horizontal

S. No.	Standard Value, mm (M)	UUC reading, mm (S)	Error (S-M)	% Error	(±)MU** %
1	0.5	0.49	-0.010	2.04	1.2
2	1.0	0.99	-0.010	1.01	
3	5.0	4.98	-0.020	0.40	
4	10.0	9.98	-0.020	0.20	



*CP Saxena
16/04/2021*
C.P. SAXENA
APPROVED BY (QM/TM)

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CALIBRATION CERTIFICATE

Certificate No. VTC/OEG/ 2021041903

Calibrated for (Name & Address)

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

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

Received on : 16/04/2021
Calibrated on : 16/04/2021
Calibration Due on : 15/04/2022
Issued on : 16/04/2021
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name : Dead Weight
Make / Model : Ekta
Range : 2 x 3 = 6 kg
Least Count / Resolution : ---
Location : Cord Grip Test Apparatus

Serial No. : ---
Accuracy : ---
Type : ---
Condition of Equip. : Normal
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	Weighing Balance, 100 kg	Weight Next	CC220921000000346F	UTC, Karnal	16/03/2022

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

Parameter Mass

S. No.	Avg. Standard Value (M) kg	UUC Value (S) kg	Error (S-M)	% Error	(±)MU** %
1	6.02	6	-0.02	0.33	1.8



*C.P. SAXENA
16/04/2021*
C.P. SAXENA
APPROVED BY (QM/TM)

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CALIBRATION CERTIFICATE

Certificate No. VTC/OEG/ 2021041904

Calibrated for (Name & Address)

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

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

Received on : 16/04/2021
Calibrated on : 16/04/2021
Calibration Due on : 15/04/2022
Issued on : 16/04/2021
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name : Torque Screw Driver
Make / Model : ---
Range : 0.1 - 1.5 Nm
Least Count / Resolution : 0.2 Nm
Location : Lab

Serial No. : ---
Accuracy : ---
Type : ---
Condition of Equip. : Normal
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	Weight Box	Weightron	CC220921000000343F	UTC, Karnal	16/03/2022

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	0.2	0.203	-0.003	1.5	1.3
2	0.6	0.607	-0.007	1.2	
3	1.0	1.011	-0.011	1.1	
4	1.5	1.515	-0.015	1.0	



*C.P. SAXENA
16/04/2021*
C.P. SAXENA
APPROVED BY (QM/TM)

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CALIBRATION CERTIFICATE

Certificate No. VTC/OEG/ 2021041905

Calibrated for (Name & Address)

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

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

Received on : 16/04/2021
Calibrated on : 16/04/2021
Calibration Due on : 15/04/2022
Issued on : 16/04/2021
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name : Spring Hammer
Make / Model : ---
Range : 0 - 5 Joule
Least Count / Resolution : 0.5 Joule
Location : Lab

Serial No. : ---
Accuracy : ---
Type : ---
Condition of Equip. : Normal
Equip. / Party ID : 20

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	CC220921000000348F	UTC, Karnal	16/03/2022

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

Parameter Impact Energy

S. No.	UUC Value (S) Jule	Avg. Standard Value (M) Jule	Error (S-M)	% Error	(±)MU** %
1	0.5	0.506	-0.006	1.2	2.4
2	1.0	1.011	-0.011	1.1	
3	3.0	3.025	-0.025	0.8	
4	5.0	5.029	-0.029	0.6	



*C.P. SAXENA
16/04/2021*
C.P. SAXENA
APPROVED BY (QM/TM)

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CALIBRATION CERTIFICATE

Certificate No. VTC/OEG/ 2021041906

Calibrated for (Name & Address)

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

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

Received on : 16/04/2021
Calibrated on : 16/04/2021
Calibration Due on : 15/04/2022
Issued on : 16/04/2021
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 : 22

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	40.5	-0.5	1.3	2.0
2	60	60.7	-0.7	1.2	
3	80	80.8	-0.8	1.0	
4	90	91.4	-1.4	1.6	



C.P. SAXENA
16/04/2021

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

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VOLTAGRAM TESTING & CALIBRATION

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CALIBRATION CERTIFICATE

Certificate No. VTC/OEG/ 2021041907

Calibrated for (Name & Address)

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

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

Received on : 16/04/2021
Calibrated on : 16/04/2021
Calibration Due on : 15/04/2022
Issued on : 16/04/2021
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name : Angle D
Make / Model : Ekta
Range : 0 - 180 Degree
Least Count / Resolution : 0.5 Degree
Location : Inclined Test Apparatus

Serial No. : ---
Accuracy : ---
Type : ---
Condition of Equip. : Normal
Equip. / Party ID : 25

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	Meeratezar	UTC/2020-2021/03210204	UTC, Karnal	01/03/2022

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	4.95 Degree	0.05	1.00	1.8
2	10 Degree	9.96 Degree	0.04	0.40	
3	30 Degree	29.93 Degree	0.07	0.23	
4	90 Degree	89.92 Degree	0.08	0.09	
5	180 Degree	179.90 Degree	0.10	0.06	



C.P. SAXENA
APPROVED BY (QM/TM)
16/04/2021

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CALIBRATION CERTIFICATE

Certificate No. VTC/OEG/ 2021041908

Calibrated for (Name & Address)

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

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

Received on : 16/04/2021
Calibrated on : 16/04/2021
Calibration Due on : 15/04/2022
Issued on : 16/04/2021
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name : **Dig. Counter Meter**
Make / Model : **Ekta**
Range : **0 - 999999 Count**
Least Count / Resolution : **1 Count**
Location : **Endurance Test Panel**

Serial No. : ---
Accuracy : +/- 1.0%
Type : ---
Condition of Equip. : Normal
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	Techometer	Lutron	CC220921000000332F	UTC, Karnal	10/03/2022

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 41

Parameter Count/Revolution

S. No.	UUC Value (S)	Count	Avg. Standard Value (M)	Count	Error (S-M)	% Error	(±)MU** %
1	100		99.6		0.4	0.40	2.1
2	500		499.4		0.6	0.12	
3	5000		4998.3		1.7	0.03	
4	9000		8996.8		3.2	0.04	



*C.P. SAXENA
16/04/2021*
C.P. SAXENA
APPROVED BY (QM/TM)

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CALIBRATION CERTIFICATE

Certificate No. VTC/OEG/ 2021041909

Calibrated for (Name & Address)

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

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

Received on : 16/04/2021
Calibrated on : 16/04/2021
Calibration Due on : 15/04/2022
Issued on : 16/04/2021
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name : Thermohygro Meter
Make / Model : ---
Range : As per Instrument
Least Count / Resolution : As per Instrument
Location : Lab

Serial No. : ---
Accuracy : ---
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	Dig Thermohygro Meter	HTC	CC22092000000920F	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	41.7	-1.7	4.25	1.9
2	60	61.4	-1.4	2.33	
3	80	82.6	-2.6	3.25	
4	90	92.9	-2.9	3.22	

Parameter Temperature

S. No.	UUC Value (S) °C	Avg. Standard Value (M) °C	Error (S-M)	% Error	(±)MU** %
1	20.0	19.85	0.15	0.75	1.3
2	30.0	29.67	0.33	1.10	
3	40.0	39.58	0.42	1.05	
4	50.0	49.43	0.57	1.14	



(P.Saxena)
16/04/2021
C.P. SAXENA
APPROVED BY (QM/TM)

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VOLTAGRAM TESTING & CALIBRATION

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CALIBRATION CERTIFICATE

Certificate No. VTC/OEG/ 2021041910

Calibrated for (Name & Address)

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

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

Received on : 16/04/2021
Calibrated on : 16/04/2021
Calibration Due on : 15/04/2022
Issued on : 16/04/2021
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name : Measuring Cylinder
Make / Model : ---
Range : 0 - 100 ml
Least Count / Resolution : 1 ml
Location : Lab

Serial No. : ---
Accuracy : ---
Type : ---
Condition of Equip. : Normal
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	Electronic Balance	Dhona	CC220921000000344F	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	5	4.9996	0.0004	0.0080	2.4
2	20	19.9994	0.0006	0.0030	
3	50	49.9991	0.0009	0.0018	
4	70	69.9987	0.0013	0.0019	
5	100	99.9983	0.0017	0.0017	



C.P. SAXENA
16/04/2021
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}



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/ 2021041911

Calibrated for (Name & Address)

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

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

Received on : 16/04/2021
Calibrated on : 16/04/2021
Calibration Due on : 15/04/2022
Issued on : 16/04/2021
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name	: Ball Pressure Test Apparatus	Serial No.	: ---
Make / Model	: Ekta	Accuracy	: ---
Range	: 20 N	Type	: ---
Least Count / Resolution	: --- N	Condition of Equip.	: Normal
Location	: Lab	Equip. / Party ID	: 34

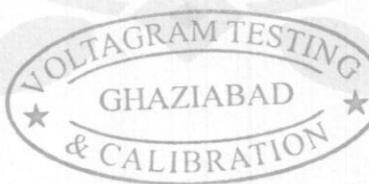
Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Weighing Balance, 5 kg	Weight Next	CC22092100000347F	UTC, Karnal	16/03/2022

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

Parameter Mass

S. No.	Avg. Standard Value (M) N	UUC Value (S) N	Error (S-M)	% Error	(±)MU** %
1	20.004	20	-0.004	0.02	1.3



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

*C.P. SAXENA
16/04/2021*



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