



# CLASSIC INSTRUMENTATION PVT. LTD.

C-45, Sector-65, Noida-201 307 (U.P.) Mob.: 9311185868, 9212285868, Ph.: 0120-4279394  
E-mail: labnoida@gmail.com / classiclab@gmail.com, Website: www.classiclab.in



CC-2798  
NABL Accredited Lab

## Calibration Certificate

U L R - C C 2 7 9 8 2 0 2 0 0 0 1 1 2 6 4 F

Discipline: Electro Technical

Certificate No.: CI/2K20-21/2/09/1684

Issue Date: 02.10.20

Page: 1

No. Of Pages: 1

Calibration Date: 30.09.20

Calibration Due on: 29.09.21 (As per customer's request)

Party Name & Address: **ONKAR ENGINE & GENERATOR (P) LIMITED (A Unit of Omega Group of Companies)**  
D-255, Sector-63, Noida, Distt. Gautam Budh nagar (U.P.) 201301

Parameter Calibrated: **AC High Voltage & AC Current**

Item Description: **HIGH VOLTAGE BREAK DOWN TESTER**

Make: EI

ID No.: HVT-01

Sr. No.:

Range: 0 to 5kV/0 to 30mA

Least Count: 0.001kV/0.01mA

Location: Line-01

Job requested on: 26.09.20

Item receive condition: OK

Calibrated at: at-site

Environmental Condition:

Temperature: 25 $\pm$ 4 $^{\circ}$  C

Relative Humidity: <70%

Calibration Procedure: CI/WI/ET10

Description of Reference Standard Used

Sr. No	Nomenclature	Make/Model	Traceability
1	Digital Reference Multimeter	Fluke/8508A	Traceable to NPL through NABL Accreditation Certificate No. CC-2216 Vide Certificate No.: C&I/CAL/19-10/095 dt. 23.10.19, valid upto 23.10.20
2	High Voltage Probe	Fluke/80K-40	Traceable to NPL through NABL Accreditation Certificate No. CC-2216, Vide Certificate No.: C&I/CAL/20-06/065 dt. 12.06.20 valid upto 12.06.21

Results: For High Voltage

Sr. No.	*UUC Reading (kV)	Standard Value (kV)	Deviation (kV)
1	0.500	0.497	0.003
2	1.000	0.995	0.005
3	1.500	1.495	0.005
4	2.500	2.493	0.007
5	3.500	3.490	0.010
6	4.500	4.480	0.020

The measurement Uncertainty at 95% confidence level (coverage factor, k=2) for full range is  $\pm$ 1-3.5%

Results: For Current

Sr. No.	*UUC Reading (mA)	Standard Value (mA)	Deviation (mA)
1	5.00	4.989	0.011
2	10.00	9.981	0.019
3	15.00	14.976	0.024
4	20.00	19.952	0.048
5	25.00	24.937	0.063

\*UUC: Unit Under Calibration

The measurement Uncertainty at 95% confidence level (coverage factor, k=2) for full range is  $\pm$ 0.2%

The results relate only to the items calibrated.

The report shall not be reproduced except in full, without the written approval of the laboratory.

The item has been calibrated against Lab Standards traceable to National Physical Laboratory, New Delhi.

Checked by  
Diksha Sharma  
Quality Manager



One Roof Solution for total Calibration



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C-45, Sector-65, Noida-201 307 (U.P.) Mob. : 9311185868, 9212285868, Ph. : 0120-4279394  
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CC-2798

NABL Accredited Lab

## Calibration Certificate

U	L	R	-	C	C	2	7	9	8	2	0	2	0	0	0	1	1	2	5	7	F
Discipline: Electro Technical																					
Certificate No.: CI/2K20-21/2/09/1677											Issue Date: 02.10.20				Page: 1		No. Of Pages: 1				
Calibration Date: 30.09.20											Calibration Due on: 29.09.21 (As per customer's request)										
Party Name & Address: ONKAR ENGINE & GENERATOR (P) LIMITED (A Unit of Omega Group of Companies) D-255, Sector-63, Noida, Distt. Gautam Budh nagar (U.P.) 201301																					
Parameter Calibrated: AC Current & AC Voltage																					
Item Description: EARTHING TERMINAL TESTER																					
Make: IE						Id No: OM/ECR/01						Sr. No.: 716									
Range: 0 to 9.99V/ 0 to 30A						Least Count: 0.01V, 0.1A						Location: IQC Lab									
Job requested on: 26.09.20						Item receive condition: OK						Calibrated at: at-site									
Environmental Condition:						Temperature: 25±4 ° C						Relative Humidity: <70 %									
Ref. Std./Calibration Procedure: CI/M/ET03																					
Description of Reference Standard Used:																					
Sr. No.	Nomenclature	Make/Model	Traceability																		
1	Digital Reference Multimeter	Fluke/8508A	Traceable to NPL through NABL Accreditation Certificate No. CC-2216 Vide Certificate No.: C&I/CAL/19-10/095 dt. 23.10.19. valid upto 23.10.20																		
Results: for Voltage																					
Sr. No.	*UUC Reading (V)	Standard Reading (V)	Deviation (V)																		
1	0.10	0.0993	0.0007																		
2	1.00	0.9986	0.0014																		
3	2.00	1.9952	0.0048																		
4	5.00	4.9936	0.0064																		
5	9.00	8.9914	0.0086																		
Results: for Current																					
Sr. No.	*UUC Reading (A)	Standard Reading (A)	Deviation (A)																		
1	0.10	0.0993	0.0007																		
2	1.00	0.9986	0.0014																		
3	2.00	1.9952	0.0048																		
4	5.00	4.9936	0.0064																		
5	9.00	8.9914	0.0086																		

\*UUC: unit under calibration

The measurement Uncertainty at 95% confidence level (coverage factor, k=2) is ± 0.2% for full scale.  
The results relate only to the items calibrated.  
The report shall not be reproduced except in full, without the written approval of the laboratory.  
The item has been calibrated against Lab Standards traceable to National Physical Laboratory, New Delhi.

Checked by  
Diksha Sharma  
Quality Manager

Approved by  
Mang Kumar  
Technical Manager



One Roof Solution for total Calibration





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NABL Accredited Lab

## Calibration Certificate

U	L	R	-	C	C	2	7	9	8	2	0	1	0	0	0	0	4	6	2	8	F
Discipline: Mechanical																					
Certificate No.: CI/2K20-21/09/738											Issue Date: 02.10.20				Page: 1		No. Of Pages: 1				
Calibration Date: 30.09.20											Calibration Due on: 29.09.21 (As per customer's request)										
Party Name & Address: ONKAR ENGINE & GENERATOR (P) LIMITED (A Unit of Omega Group of Companies) D-255, Sector-63, Noida, Distt. Gautam Budh nagar (U.P.) 201301																					
Parameter Calibrated: Scale & Measuring Tape																					
Item Description: MEASURING SCALE																					
Make: dotcom											ID No.: SS-02				Sr. No.:						
Range: 0 to 1000mm											Least Count: 0.5/1mm				Location: IQC Lab						
Item receive date: 30.09.20											Item receive condition: OK				Calibrated at: at-Lab						
Environmental Condition											Temperature: 20±2°C				Relative Humidity: 50±10%						
Calibration Procedure/IS: CI/W/ME05																					

### Description of Reference Standard Used:

S.No	Nomenclature	Make/Model	Traceability
1	Measuring Scale & Tape Calibrator	OCTAGON	Traceable to NPL, through NABL Accreditation Certificate No. CC2660 Vide Certificate No. TIH/MSTC/002/19 dt. 16.08.19 valid upto 15.08.21

### Results:

Sr. No.	*UUC Reading (mm)	Nominal Value (mm)	Deviation (mm)
1	50.0	50.009	-0.009
2	100.0	100.011	-0.011
3	200	200.022	-0.022
4	300	300.037	-0.037
5	500	500.055	-0.055
6	800	800.076	-0.076
7	1000	1000.089	-0.089

\*UUC: unit under calibration

The measurement Uncertainty at 95% confidence level (coverage factor, k=2) at full scale is +/- 0.652mm

The results relate only to the items calibrated.

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The item has been calibrated against Lab Standards traceable to National Physical Laboratory, New Delhi.

Checked by  
Disha Sharma  
Quality Manager

Approved by  
Manoj Kumar  
Technical Manager



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## Calibration Certificate

U L R - C C 2 7 9 8 2 0 1 0 0 0 0 4 3 2 3 F

Discipline: Mechanical

Certificate No.: CI/2K20-21/09/733

Issue Date: 02.10.20

Page: 1

No. Of Pages: 1

Calibration Date: 30.09.20

Calibration Due on: 29.09.21 (As per customer's request)

Party Name & Address: ONKAR ENGINE & GENERATOR (P) LIMITED (A Unit of Omega Group of Companies)  
D-255, Sector-63, Noida, Distt. Gautam Budh nagar (U.P.) 201301

Item Description: FEELER GAUGE

Make: JTC

ID No.: FG-03

Model:

Size: 0.05 to 1.00 mm

Least Count: —

Location: IQC Lab

Item receive date: 30.09.20

Item receive condition: OK

Calibrated at: at-Lab

Environmental Condition

Temperature: 20±2°C

Relative Humidity: 50±10%

Calibration Procedure: CI/WI/ME09

Description of Reference Standard Used:

S.No	Nomenclature	Make	Traceability
1.	Digital Micrometer	Mitutoyo	Traceable to NPL, through CIPL Certificate No. CI/2K20-21/07/361 dated 20.07.20 Valid upto 19.07.21

Results:

Sr. No.	Nominal Size (mm)	Observed Value (mm)	Deviation (mm)
1	0.05	0.050	0.000
2	0.10	0.100	0.000
3	0.15	0.150	0.000
4	0.20	0.200	0.000
5	0.25	0.250	0.000
6	0.30	0.299	-0.001
7	0.35	0.349	-0.001
8	0.40	0.399	-0.001
9	0.45	0.449	-0.001
10	0.50	0.500	0.000
11	0.55	0.550	0.000
12	0.60	0.599	-0.001
13	0.65	0.651	0.001
14	0.70	0.699	-0.001
15	0.75	0.749	-0.001
16	0.80	0.800	0.000
17	0.85	0.849	-0.001
18	0.90	0.899	-0.001
19	0.95	0.949	-0.001
20	1.00	0.999	-0.001

The measurement Uncertainty at 95% confidence level (coverage factor, k=2) at full scale is +/- 3.5µm.

The results relate only to the items calibrated.

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The item has been calibrated against Lab Standards traceable to National Physical Laboratory, New Delhi.

Checked by  
Diksha Sharma  
Quality Manager

Approved by  
Manoj Kumar  
Technical Manager

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U	L	R	-	C	C	2	7	9	8	2	0	1	0	0	0	0	4	6	2	7	F
Discipline: Mechanical																					
Certificate No.: CI/2K20-21/09/737											Issue Date: 02.10.20			Page: 1		No. Of Pages: 1					
Calibration Date: 30.09.20											Calibration Due on: 29.09.21 (As per customer's request)										
Party Name & Address: ONKAR ENGINE & GENERATOR (P) LIMITED (A Unit of Omega Group of Companies) D-255, Sector-63, Noida, Distt. Gautam Budh nagar (U.P.) 201301																					
Item Description: DIGITAL MICROMETER																					
Make: Insize											Model: IP65					Sr. No: 180882385R					
Range: 0 to 25mm											Least Count: 0.001 mm					Location: IQC Lab					
Item receive date: 30.09.20											Item receive condition: OK					Calibrated at: at-Lab					
Environmental Condition											Temperature: 20+2° C					Relative Humidity: 50+ 10%					
Calibration Procedure: CI/WI/ME04																					

### Description of Reference Standard Used:

Sr. No.	Nomenclature	Make/Model	Traceability
1	Slip Gauge Block Set (M10/1)	Mikronix/4324	Traceable to NPL, through NABL Accreditation Certificate No. CC-2660 Vide Certificate No. T/E/SGS/020/20 dt.28.05.20 valid upto 27.05.22

### Results:

Sr. No.	*UUC Reading (mm)	Standard Reading (mm)	Deviation (mm)
1	2.500	2.5	0.000
2	5.100	5.1	0.000
3	7.700	7.7	0.000
4	10.300	10.3	0.000
5	12.901	12.9	0.001
6	15.000	15.0	0.000
7	17.601	17.6	0.001
8	20.000	20.0	0.000
9	22.801	22.8	0.001
10	25.001	25.0	0.001

\*UUC: Unit under Calibration

The measurement Uncertainty at 95% confidence level (coverage factor, k=2) at full scale is +/-1.0µm

The results relate only to the items calibrated.

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Checked by  
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Quality Manager







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U	L	R	-	C	C	2	7	9	8	2	0	1	0	0	0	0	4	6	1	7	F
Discipline: Mechanical																					
Certificate No.: CI/2K20-21/09/727											Issue Date: 02.10.20				Page: 1		No. Of Pages: 1				
Calibration Date: 30.09.20											Calibration Due on: 29.09.21 (As per customer's request)										
Party Name & Address: ONKAR ENGINE & GENERATOR (P) LIMITED (A Unit of Omega Group of Companies) D-255, Sector-63, Noida, Distt. Gautam Budh nagar (U.P.) 201301																					
Item Description: DIGITAL VERNIER CALIPER																					
Make: INSIZE											Id No.: _____				Sr. No.: 1510180575						
Range: 0 to 150mm											Least Count: 0.02mm				Location: IQC Lab						
Item receive date: 30.09.20											Item receive condition: OK				Calibrated at: at-Lab						
Environmental Condition											Temperature: 20±2 °C				Relative Humidity: 50±10%						
Calibration Procedure: CI/WI/ME03																					

### Description of Reference Standard Used:

Sr.No	Nomenclature	Make/Model	Traceability
1.	Steel Caliper Checker	Mikronix/ 9979	Traceable to NPL, through NABL Accreditation Certificate No. CC-2660 Vide Certificate No. TI/E/CC/005/20 dt.27.05.20 valid upto 26.05.22
2	Slip Gauge Block Set (M121/1)	-----	Traceable to NPL, through NABL Accreditation Certificate No. CC-2660 Vide Certificate No. TI/E/SGS/019/20 dt.28.05.20 valid upto 27.05.22

### Results:

Sr. No.	Nominal Value (mm)	*UUC Reading (mm)			Deviation (mm)		
		Outside	Inside	Depth	Outside	Inside	Depth
1	10	10.00	---	10.00	0.00	---	0.00
2	20	20.00	20.00	20.00	0.00	0.00	0.00
3	50	50.00	50.00	50.00	0.00	0.00	0.00
4	100	100.00	100.00	100.00	0.00	0.00	0.00
5	150	150.00	149.99	150.01	0.00	-0.01	0.01

### \*UUC: unit under calibration

The measurement Uncertainty at 95% confidence level (coverage factor, k=2) at full scale for measurement is +/- 8µm.

The results relate only to the items calibrated.

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Checked by  
Diksha Sharma  
Quality Manager





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U	L	R	-	C	C	2	7	9	8	2	0	2	0	0	0	1	1	2	6	1	F
Discipline: Electro Technical																					
Certificate No.: CI/2K20-21/2/09/1681											Issue Date: 02.10.20			Page: 1		No. Of Pages: 1					
Calibration Date: 30.09.20											Calibration Due on: 29.09.21 (As per customer's request)										
Party Name & Address: ONKAR ENGINE & GENERATOR (P) LIMITED (A Unit of Omega Group of Companies) D-255, Sector-63, Noida, Distt. Gautam Budh nagar (U.P.) 201301																					
Parameter Calibrated: AC High Voltage & AC Current																					
Item Description: HIGH VOLTAGE BREAK DOWN TESTER																					
Make: PARMA											ID No.: HD/HV-01					Sr. No.: HVTD-3					
Range: 0 to 3kV/0 to 30mA											Least Count: 0.01kV/0.1mA					Location: Line-02					
Job requested on: 26.09.20											Item receive condition: OK					Calibrated at: at-site					
Environmental Condition:											Temperature: 25±4 ° C					Relative Humidity: <70%					
Calibration Procedure: CI/WI/ET10																					
Description of Reference Standard Used:																					
Sr. No	Nomenclature					Make/Model					Traceability										
1.	Digital Reference Multimeter					Fluke/8508A					Traceable to NPL through NABL Accreditation Certificate No. CC-2216 Vide Certificate No.: C&I/CAL/19-10/095 dt. 23.10.19. valid upto 23.10.20										
2	High Voltage Probe					Fluke/80K-40					Traceable to NPL through NABL Accreditation Certificate No. CC-2216. Vide Certificate No.: C&I/CAL/20-06/065 dt. 12.06.20 valid upto 12.06.21										
Results: For High Voltage																					
Sr. No.	*UUC Reading (kV)					Standard Value (kV)					Deviation (kV)										
1	0.50					0.498					0.002										
2	1.00					0.976					0.024										
3	1.50					1.452					0.048										
4	2.00					1.941					0.059										
5	3.00					2.926					0.074										
The measurement Uncertainty at 95% confidence level (coverage factor, k=2) for full range is +/-3.5%																					
Results: For Current																					
Sr. No.	*UUC Reading (mA)					Standard Value (mA)					Deviation (mA)										
1	5.0					5.024					-0.024										
2	10.0					10.046					-0.046										
3	15.0					15.078					-0.078										
4	20.0					20.092					-0.092										
5	25.0					25.114					-0.114										

\*UUC: Unit Under Calibration

The measurement Uncertainty at 95% confidence level (coverage factor, k=2) for full range is +/-0.2%

The results relate only to the items calibrated.

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Checked by  
Diksha Sharma  
Quality Manager

Approved by  
Manoj Kumar  
Technical Manager





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U	L	R	-	C	C	2	7	9	8	2	0	2	0	0	0	1	1	2	4	1	F
Discipline: Electro Technical																					
Certificate No.: CI/2K20-21/2/09/1661											Issue Date: 02.10.20			Page: 1		No. Of Pages: 2					
Calibration Date: 30.09.20											Calibration Due on: 29.09.21 (As per customer's request)										
Party Name & Address: ONKAR ENGINE & GENERATOR (P) LIMITED (A Unit of Omega Group of Companies) D-255, Sector-63, Noida, Distt. Gautam Budh nagar (U.P.) 201301																					
Parameter Calibrated: AC Voltage, AC Current & AC Wattage																					
Item Description: DIGITAL VAW METER																					
Make: EI											Id No: VAW-01			Location: Multi Test Panel							
Range: 0 to 600V, 0 to 15000W, 0 to 25A											Least Count: 0.01, 0.1 V, 0.1W, 0.001A										
Job requested on: 26.09.20											Item receive condition: OK			Calibrated at: at-site							
Environmental Condition:											Temperature: 25 $\pm$ 4 $^{\circ}$ C			Relative Humidity: <70 %							
Ref. Std./Calibration Procedure: CIWI/ET02 & ET03																					
Description of Reference Standard Used:																					
S.No	Nomenclature					Make/Model					Traceability										
1	Multifunction Calibrator					Fluke/5080A					Traceable to NPL through NABL Accreditation Certificate No. CC-2216 Vide Certificate No.: C&I/CAL/20-06/066 dt. 12.06.20 valid upto 11.06.21										
2	Digital Reference Multimeter					Fluke/8508A					Traceable to NPL through NABL Accreditation Certificate No. CC-2216 Vide Certificate No.: C&I/CAL/19-10/095 dt. 23.10.19. valid upto 23.10.20										

### Results: For Voltage

Sr. No.	*UUC Reading (V)	Standard Reading (V)	Deviation (V)
1	20.00	20.005	-0.005
2	50.00	50.009	-0.009
3	100.0	100.021	-0.021
4	200.0	200.036	-0.036
5	300.0	300.052	-0.052
6	500.0	500.066	-0.066

The measurement Uncertainty at 95% confidence level (coverage factor, k=2) is  $\pm 0.06$  % for full scale.

Checked by  
Diksha Sharma  
Quality Manager







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U	L	R	-	C	C	2	7	9	8	2	0	2	0	0	0	1	1	2	4	2	F
Discipline: Electro Technical																					
Certificate No.: CI/2K20-21/2/09/1662											Issue Date: 02.10.20				Page: 1		No. Of Pages: 1				
Calibration Date: 30.09.20											Calibration Due on: 29.09.21 (As per customer's request)										
Party Name & Address: ONKAR ENGINE & GENERATOR (P) LIMITED (A Unit of Omega Group of Companies) D-255, Sector-63, Noida, Distt. Gautam Budh nagar (U.P.) 201301																					
Parameter Calibrated: AC Current																					
Item Description: LEAKAGE CURRENT TESTER																					
Make: Deltronik																					
Model: DPM-35											Id No:				Sr. No.: 20031632						
Range: 0 to 2000µA											Least Count: 1µA				Location: Multi Test Panel						
Job requested on: 26.09.20											Item receive condition: OK				Calibrated at: at-site						
Environmental Condition:											Temperature: 25+4 ° C				Relative Humidity: <70 %						
Ref. Std./Calibration Procedure: CI/WM/ET03																					

### Description of Reference Standard Used:

Sr. No.	Nomenclature	Make/Model	Traceability
1	Digital Reference Multimeter	Fluke/8508A	Traceable to NPL through NABL Accreditation Certificate No. CC-2216 Vide Certificate No.: C&I/CAL/19-10/095 dt. 23.10.19. valid upto 23.10.20

### Results:

Sr. No.	*UUC Reading (µA)	Standard Reading (µA)	Deviation (µA)
1	20	19.82	0.18
2	50	49.73	0.27
3	100	99.64	0.36
4	500	499.53	0.47
5	1000	999.32	0.68
2	1900	1899.07	0.93

\*UUC: unit under calibration

The measurement Uncertainty at 95% confidence level (coverage factor, k=2) is  $\pm 0.13\%$  for full scale.

The results relate only to the items calibrated.

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Checked by  
Diksha Sharma  
Quality Manager

Approved by  
Mand Kumar  
Technical Manager



One Roof Solution for total Calibration



# CLASSIC INSTRUMENTATION PVT. LTD.

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CC-2798

NABL Accredited Lab

## Calibration Certificate

U	L	R	-	C	C	2	7	9	8	2	0	1	0	0	0	0	4	6	1	5	F
Discipline: Electro Technical																					
Certificate No.: CI/2K20-21/09/725											Issue Date: 02.10.20				Page: 1				No. Of Pages: 1		
Calibration Date: 30.09.20											Calibration Due on: 29.09.21 (As per customer's request)										
Party Name & Address: ONKAR ENGINE & GENERATOR (P) LIMITED (A Unit of Omega Group of Companies) D-255, Sector-63, Noida, Distt. Gautam Budh nagar (U.P.) 201301																					
Parameter Calibrated: DC Resistance & DC Voltage																					
Item Description: INSULATION RESISTANCE TESTER																					
Make: EI											Id No:				Sr. No: 2100						
Range: 0 to 100MQ											Test Voltage: 500 V				Location: Multi Test Panel						
Item receive date: 30.09.20											Item receive condition: OK				Calibrated at: at-Lab						
Environmental Condition of											Temperature: 25+4° C				Relative Humidity: <70 %						
Calibration Procedure: CI/WI/ET09																					
Description of Reference Standard Used:																					
S.No	Nomenclature	Make/ Model	Traceability																		
1	Digital Reference Multimeter	Fluke/8508A	Traceable to NPL through NABL Accreditation Certificate No. CC-2216 Vide Certificate No.: C&IJ/CAL/19-10/095 dt. 23.10.19, valid upto 23.10.20																		
2	H.V. Mega ohm Box	Sigma	Traceable to NPL through NABL Accreditation Certificate No. CC-2216 Vide Certificate No.: C&IJ/CAL/20-06/149 dt. 26.06.20 valid upto 26.06.21																		
Results:																					
Sr. No.	*UUC Reading (MQ)	*Std. Reading (MQ)	Deviation (MQ)																		
1	2	2	0																		
2	20	20	0																		
3	50	50	0																		
4	100	100	0																		
The measurement Uncertainty at 95% confidence level (coverage factor, k=2) is $\pm 1.5\%$ for full scale.																					
Results: for Test Voltage																					
Sr. No.	*UUC Reading (V)	*Std. Reading (V)	Deviation (V)																		
1	500	502.49	-2.49																		

\*UUC: Unit Under Calibration

Unit under Calibration is within the specified limit of accuracy.

The measurement Uncertainty at 95% confidence level (coverage factor, k=2) is  $\pm 0.007\%$  for full scale.

The results relate only to the items calibrated above.

The report shall not be reproduced except in full, without the written approval of the laboratory.

The item has been calibrated against Lab Standards traceable to National Physical Laboratory, New Delhi.

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