



CC-3385

**ZEAL MANUFACTURING AND CALIBRATION
SERVICES PRIVATE LIMITED**

S.No: 78/1, Pandhari Industrial Estate, Shivane, Pune - 411023, Maharashtra, INDIA

Calibration Laboratory:

Mob. No.: +91 9325714841, +91 9075014802, Email: calibration@zealmfg.com

Marketing : Mob. No.: +91 9371025315, +91 7030326565

Email : marketing@zealmfg.com, support@zealmfg.com, Web: www.zealmfg.com

**CALIBRATION – CERTIFICATE****TRUE COPY**

Date of Calibration	Next agreed Date of Calibration	Date of Issue	Certificate No.	ULR No.	
27/02/2025	26/02/2026	01/03/2025	02/177 (2024-2025)	CC33852500000718F	
1 Name of Customer			M/s: NCQC Laboratory LLP 4, Abhishree Corporate Park, Nr. Swagat Bunglow BRTS, Iskcon - Ambli Road, Ambli, Ahmedabad - Gujarat, India, 380058		
2 Calibration Carried out at			: Calibration Laboratory		
3 Date of Receipt of Item			: 26/02/2025		
4 Condition of the Item			: Item received in working condition.		
5 Calibration to be done			: Without Adjustment		
6 Description & Identification of U.U.C:					
Nomenclature	Make	Model	Sr. No.	Id. No.	Accuracy
AC/DC High Voltage Measurement Probe with DMM	Zeal / Fluke	ZMHVP-ACDC / 15B+	202203550 / 43590884WS	NCQC/E-32 / NCQC/E-12	As per Manual
7 Environmental Conditions			: Temperature: 23.7 °C To 23.9°C Humidity: 54 %RH		
8 Calibration Procedure No.			: CPMIC- 01, 02		
9 Parameter to be calibrated			: DC/AC High Voltage		
10. Details of Standard Traceability Used For Calibration					
NAME	MAKE/MODEL	SR.NO. / ID.NO.	CALIBRATION CERT. NO. & VALID UPTO	CALIBRATED BY	
High Voltage Measurement Unit with 6 ½ Digit Precision Multimeter.	ZEAL / FLUKE / ZM100KHVP / 8846A	202302517 / 1238003 / ZS/HVP/02 / ZS/DMM/02	CC/ECL/1884/24-25 13/02/2026	IDEMI, Mumbai.	
High Voltage Measurement Unit with 6 ½ Digit Precision Multimeter.	ZEAL / FLUKE / ZM100KHVP / 8846A	202302517 / 1238003 / ZS/HVP/02 / ZS/DMM/02	BCS/HVD/N/25/020 12/02/2026	BCS, Vadodara.	

11. Remarks:

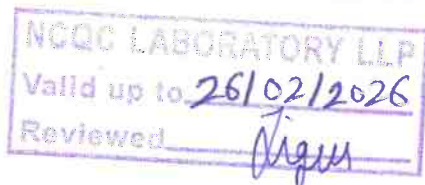
- 1) This certificate refers only to particular items submitted & results are observed at the time of calibration.
- 2) This certificate shall not be reproduced, except in full, without written approval of the Laboratory.
- 3) All measurements are traceable to National / International standards.
- 4) The reported expanded uncertainty of measurement is calculated at approximately 95.45% of confidence level with coverage factor $k = 2$.

12. A glossary of terms used in this Certificate includes:

- | | |
|--------------------------------------|---------------------------------------|
| 1. U. U. C. : Unit Under Calibration | 2. STD. : Standard |
| 3. RDG. : Reading | 4. DGT. : Digit |
| 5. INST. : Instrument | 6. ULR No. : Unique Lab Report Number |

Additional Remarks:-

- i) Suitable stable source has been used with standard measuring instrument.



Calibrated By

Calibration Engineer
(Mr. Bhauraj S. Gulik)

Reviewed & Authorized By

for Technical Manager
(Mr. Vikas B. Rathod)



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ULR No- CC338525000000718F

Certificate No. 02/177 (2024-2025)

13. OBSERVATIONS:

PARAMETER: DC HIGH VOLTAGE (Ratio of HV PROBE 1kV : 100mV) Discipline: Electro-Technical Group :-DIRECT CURRENT					
RANGE	READING ON U.U.C	READING ON STD. INST.	DEVIATION	ERROR IN %	EXPANDED UNCERTAINTY (%)
	kV	kV	kV	% Rdg	% Rdg
0 - 40 kV	1.005	0.99674	0.00826	0.83	± 2.4
	5.01	4.99819	0.01181	0.24	± 3
	10.01	9.96659	0.04341	0.44	± 3
	20.03	19.9051	0.1249	0.63	± 3
	30.02	29.8034	0.2166	0.73	± 3
	40.5	40.3297	0.1703	0.42	± 3
PARAMETER: AC HIGH VOLTAGE @50Hz (Ratio of HV PROBE 1kV : 100mV) Discipline: Electro-Technical Group :-ALTERNATING CURRENT (< 1 GHZ)					
RANGE	READING ON U.U.C	READING ON STD. INST.	DEVIATION	ERROR IN %	EXPANDED UNCERTAINTY (%)
	kV	kV	kV	% Rdg	% Rdg
0 - 40 kV	1.003	1.01434	-0.01134	-1.1	± 3
	5.02	4.97913	0.04087	0.82	± 3.4
	10.02	9.95646	0.06354	0.64	± 3.4
	20.03	19.8291	0.2009	1.0	± 3.4
	30.08	29.7661	0.3139	1.1	± 3.4
	40.4	40.0265	0.3735	0.93	± 3.4

Calibrated By

Calibration Engineer
(Mr. Bhauraj S. Gulik)

Format/Rev. No. :F/CL/04-07



Reviewed & Authorized By

Technical Manager
(Mr. Vikas B. Rathod)

