



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

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TRUE COPY

ULR No-. CC338524000000740F

Certificate No. 02/214 (2023-2024)

13. OBSERVATIONS:

PARAMETER: DC HIGH VOLTAGE (Ratio of HV PROBE 1kV : 100mV) Discipline: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	1.000	0.9981	0.0019	0.19	± 2
	5.00	5.0246	-0.0246	-0.49	± 2.2
	10.00	10.0428	-0.0428	-0.43	± 2.2
	20.00	20.0357	-0.0357	-0.18	± 2.2
	30.00	30.0274	-0.0274	-0.091	± 2.2
	40.0	39.9821	0.0179	0.045	± 2.2
PARAMETER: AC HIGH VOLTAGE @50Hz (Ratio of HV PROBE 1kV : 100mV) Discipline: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	1.000	0.9940	0.0060	0.60	± 2.4
	5.00	5.0017	-0.0017	-0.034	± 2.4
	10.00	9.9739	0.0261	0.26	± 2.4
	20.00	19.8708	0.1292	0.65	± 2.4
	30.00	29.8015	0.1985	0.67	± 2.4
	40.0	39.8118	0.1882	0.47	± 2.4

Calibrated By

Calibration Engineer
(Mr. Bhauraj S. Gulik)



Reviewed & Authorized By

Technical Manager
(Mr. Vikas B. Rathod)

Format/Rev. No. :F/CL/04-06

--- End of Calibration Certificate ---



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CALIBRATION – CERTIFICATE

Date of Calibration	Next agreed Date of Calibration	Date of Issue	Certificate No.	ULR No.	
29/02/2024	28/02/2025	01/03/2024	02/214 (2023-2024)	CC33852400000740F	
1	Name of Customer		M/s: National Centre For Quality Calibration : 4, Abhishree Corporate Park, Nr. Swagat Bungalow BRTS, Iskon-Ambli Road, Ambli, Ahmedabad - Gujarat, India, 380058		
2	Calibration Carried out at		: Calibration Laboratory		
3	Date of Receipt of Item		: 29/02/2024		
4	Condition of the Item		: Item received in working condition		
5	Calibration to be done		: Without Adjustment		
6	Description & Identification of the Item:				
Nomenclature		Make	Model	Sr. No.	Id. No.
AC/DC High Voltage Measurement Probe with DMM		ZEAL / FLUKE	ZMHVP-ACDC / 15B+	202203550 / 43590884WS	NCQC/E-32 / NCQC/E-12
7	Environmental Conditions		: Temperature: 24.8 °C To 25°C		Humidity: 52 %RH
8	Calibration Procedure No.		: CPMIC- 01, 02		
9	Parameter to be calibrated		: AC/DC High Voltage		
10. Details of Traceability Used For Calibration					
NAME	MAKE/MODEL	SR.NO. / ID.NO.	CALIBRATION CERT. NO. & DATE	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/1585/23-24 Dated: 22/02/2024	IDEMI, Mumbai.	

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:-

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

NCQC System Certificate No. 269

NCQC
Valid up to 28-02-2025
Reviewed: *[Signature]*

Calibrated By

[Signature]

Calibration Engineer
(Mr. Bhauraj S. Gulik)

Format/Rev. No. : F/CL/04-06



Reviewed & Authorized By

[Signature]

Technical Manager
(Mr. Vikas B. Rathod)

