



CC - 3385

ZEAL MANUFACTURING AND CALIBRATION SERVICES PRIVATE LIMITED

S.No: 78/1, Pandhari Industrial Estate, Shivajinagar, 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



TRUE COPY

CALIBRATION – CERTIFICATE

| Date of Calibration | Next agreed Date of Calibration | Date of Issue | Certificate No. | ULR No. | |
|--|---------------------------------|-----------------------|--|---------------------|------------------|
| 01/01/2024 | 31/12/2024 | 05/01/2024 | 12/202 (2023-2024) | CC338523000002491F | |
| 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 | | | : 30/12/2023 | | |
| 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. | Accuracy |
| High Resistance Jig | ZEAL | ZMHRJ-5M-1000G | 201507150 | NCQC/E-15 | As Per Manual |
| 7 Environmental Conditions | | | : Temperature: 24.6 °C To 24.7°C | | Humidity: 58 %RH |
| 8 Calibration Procedure No. | | | : CPM-18 | | |
| 9 Parameter to be calibrated | | | : HIGH RESISTANCE | | |
| 10. Details of Traceability Used For Calibration | | | | | |
| NAME | MAKE/MODEL | SR.NO. / ID.NO. | CALIBRATION CERT. NO. & DATE | CALIBRATED BY | |
| Mega Ohm iVmeter | ZEAL / ZMMOM | 201701999 / ZS/MOM/01 | CPIPL/23-24/014-001 Dated: 30/01/2023 | CLEAR POINT, 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 |

NCQC System Certificate No 270

NCQC
Valid up to 31-12-2024
Reviewed *[Signature]*

Calibrated By

Calibration Engineer
(Mr. Bhauraj S. Gulik)

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

Reviewed & Authorized By

Technical Manager
(Mr. Vikas B. Rathod)





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ZEAL

ULR No-. CC338523000002491F

Certificate No. 12/202 (2023-2024)

13. OBSERVATIONS:

| PARAMETER: HIGH RESISTANCE @ 1000 V D.C Discipline:Group :- Electro-Technical : DIRECT CURRENT | | | | | |
|--|------------------|-----------------------|-----------|------------|--------------------------|
| RANGE | READING ON U.U.C | READING ON STD. INST. | DEVIATION | ERROR IN % | EXPANDED UNCERTAINTY (%) |
| 5MΩ -1000GΩ | 5 MΩ | 4.98 MΩ | 0.02 MΩ | 0.40 | ± 2.5 |
| | 10 MΩ | 10.06 MΩ | -0.06 MΩ | -0.60 | ± 2.5 |
| | 100 MΩ | 99.05 MΩ | 0.95 MΩ | 0.96 | ± 2.5 |
| | 200 MΩ | 204 MΩ | -4 MΩ | -2.0 | ± 3.9 |
| | 500 MΩ | 499 MΩ | 1 MΩ | 0.20 | ± 3.9 |
| | 1 GΩ | 0.994 GΩ | 0.006 GΩ | 0.60 | ± 3.9 |
| | 10 GΩ | 9.988 GΩ | 0.012 GΩ | 0.12 | ± 3.9 |
| | 100 GΩ | 100.87 GΩ | -0.87 GΩ | -0.86 | ± 6.9 |
| | 500 GΩ | 505.31 GΩ | -5.31 GΩ | -1.1 | ± 6.9 |
| | 1000 GΩ | 1009.6 GΩ | -9.6 GΩ | -0.95 | ± 6.9 |

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Calibration Engineer
(Mr. Bhauraj S. Gulik)

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