

Laboratory Meter Testing Laboratory, RRVPNL, 132 kV GSS Premises,
Pratapnagar, Udaipur, Rajasthan

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2562 (in lieu of C-0789)

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Validity 10.01.2018 to 09.01.2020

Last Amended on 07.02.2018

| Sl. | Quantity Measured / Instrument | Range/Frequency | *Calibration Measurement Capability (\pm) | Remarks |
|---|---|---|---|---|
| <u>ELECTRO-TECHNICAL CALIBRATION</u> | | | | |
| 1. | SOURCE | | | |
| 1. | AC Active Energy [§] (1 Φ , 3 Φ) | 50 Hz 40 V to 288 V 1 mA to 12 A (0.035 W to 6.0 kW) At UPF 0.5 Lag & 0.866 Lead | 0.048 % to 0.022 % | Using ZERA 3- Φ Power/Energy Meter EPZ-303-5 Class: 0.02% By Direct Method |
| 2. | AC Reactive Energy [§] (1 Φ , 3 Φ) | 50 Hz 40 V to 288 V 1 mA to 12 A (0.035 W to 6.0 kW) At UPF 0.5 Lag & 0.866 Lead | 0.048 % to 0.022 % | Using ZERA 3- Φ Power/Energy Meter EPZ-303-5 Class: 0.02% By Direct Method |
| 3. | AC Voltage [§] | 50 Hz 40 V to 500 V (p-n) | 0.032 % to 0.25 % | Using ZERA 3- Φ Power/Energy Meter EPZ-303-5 Class: 0.02% By Direct Method |
| 4. | AC Current [§] | 50 Hz 1 mA to 120 A | 0.08 % to 0.07 % | Using ZERA 3- Φ Power/Energy Meter EPZ-303-5 Class: 0.02% By Direct Method |
| 5. | Frequency [§] | 47 Hz to 52 Hz (At 230V) | 0.03 % | Using ZERA 3- Φ Power/Energy Meter EPZ-303-5 Class: 0.02% By Direct Method |

* Measurement Capability is expressed as an uncertainty (\pm) at a confidence probability of 95%

§ Only in Permanent Laboratory

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