

Laboratory	Jay Balaji Instrumentation & Services, 6, Brahmaputra Building, Bhagwant Nagar, Mumbai Naka, Nashik, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Electro-Technical Calibration	Issue Date	06.01.2016
Certificate Number	C-0996	Valid Until	05.01.2018
Last Amended on	-	Page	1 of 1

Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (\pm)	Remarks
I. MEASURE			
1. DC VOLTAGE #	1 mV to 100 mV 100 mV to 1000 V	1.69 % to 0.31 % 0.31 % to 0.4 %	Using 6 ½ Digital Multimeter Meco M3500 by Comparison Method
DC HIGH VOLTAGE *	1 kV to 20 kV	3.55 % to 4.5 %	Using Zeal HV Probe with Kusam Meco DMM by Comparison Method
2. AC VOLTAGE #	50 Hz to 400 Hz 100 mV to 750 V	2.89 % to 0.33 %	Using 6 ½ Digital Multimeter Meco M3500 by Comparison Method
AC VOLTAGE *	50 Hz 1kV to 20 kV	6.08% to 4.5%	Using 6 ½ Digital Multimeter Meco M3500 by Comparison Method
3. DC CURRENT #	1 mA to 100 mA 100 mA to 3 A 3 A to 10 A	0.5 % to 0.18 % 0.18 % to 0.3 % 0.3 % to 0.57 %	Using 6 ½ Digital Multimeter Meco M3500 & 51/2 DMM Escort 3146A by Comparison Method
4. AC CURRENT #	50 Hz to 400 Hz 0.2 A to 3 A 3 A to 10 A	0.63 % to 0.45 % 0.45 % to 1.28 %	Using 6 ½ Digital Multimeter Meco M3500 & 51/2 DMM Escort 3146A by Comparison Method
5. RESISTANCE #	1 Ω to 100 k Ω 100 k Ω to 100 M Ω	0.05 % to 0.6 % 0.6 % to 2 %	Using 6 ½ Digital Multimeter Meco M3500 & Decade Box by Comparison Method
6. DC VOLTAGE #	1 mV to 100 mV 100 mV to 1000 V	1.69 % to 0.4 %	Using 6 ½ Digital Multimeter Meco M3500 by Comparison Method

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

*Only for Site Calibration

The laboratory is also capable for site calibration however, the uncertainty at site depends on the prevailing actual environmental conditions and master equipment used.

Shally Sharma
Convenor

Avijit Das
Program Manager