



# NABL

**Department of Science & Technology, India**

## SCOPE OF ACCREDITATION

Laboratory **Classic Instrumentation Pvt. Ltd., C-45, Sector-65, Noida**

Accreditation Standard **ISO/IEC 17025:2005**

Discipline **Electro-Technical Calibration** Issue Date **01.08.2012**

Certificate Number **C-0210** Valid Until **31.07.2014**

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Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability ( $\pm$ )	Remarks
1. DC VOLTAGE <sup>1</sup>	1 mV to 10 mV 10 mV to 100 mV 100mV to 1000V	0.75% to 0.08% 0.08% to 0.01% 0.01%	Using MFC 5500 Calibrator By Direct Method
2. AC VOLTAGE <sup>1</sup>	50 Hz to 1 kHz 10mV to 1V 1 V to 1000 V	0.51% to 0.07% 0.07% to 0.1%	Using MFC 5500 Calibrator By Direct Method
3. DC CURRENT <sup>1</sup>	1mA to 100 mA 100mA to 10A 10A to 550 A	0.18% to 0.02% 0.02% to 0.16% 2.0%	Using Flue Calibrator 5500 & Current Coil By Direct Method
4. AC CURRENT <sup>1</sup>	50 Hz to 1 kHz 1mA to 100 mA 100mA to 10A 10A to 550 A	0.3% to 0.13% 0.13% to 0.41% 2.0%	Using MFC 5500 Calibrator & Current Coil By Direct Method
5. DC RESISTANCE <sup>1</sup>	0.001 $\Omega$ to 10 $\Omega$ 10 $\Omega$ to 1M $\Omega$ 1 M $\Omega$ to 300 M 20M $\Omega$ , 200 M $\Omega$ , 2 G $\Omega$ , 20G $\Omega$	0.7% to 0.8% 0.8% to 0.1% 0.1% to 0.6% 3.4% to 1.7%	Using Discrete Res Using MFC 5500 Calibrator Using Discrete Res By direct method
6. INDUCTANCE <sup>1</sup>	1kHz 100 $\mu$ H to 10 H	4.15% to 2.5%	Using Std. Inductance Box
7. CAPACITANCE <sup>1</sup>	1 kHz 1nF to 10 $\mu$ F	1.8%	Using MFC 5500 Calibrator & Std. Cap. Box By Direct Method

  
Convenor