

<b>Laboratory</b>	<b>MPSEDC Calibration Lab, State IT Centre, 47-A, Arera Hills, Bhopal, Madhya Pradesh</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025:2005</b>		
<b>Discipline</b>	<b>Electro-Technical Calibration</b>	<b>Issue Date</b>	<b>04.06.2015</b>
<b>Certificate Number</b>	<b>C-0404</b>	<b>Valid Until</b>	<b>03.06.2017</b>
<b>Last Amended on</b>	<b>-</b>	<b>Page</b>	<b>1 of 1</b>

Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability ( $\pm$ )	Remarks
<b><u>SOURCE</u></b>			
1. DC VOLTAGE <sup>\$</sup>	1 mV to 10 mV 10 mV to 100mV 100mV to 1000V	0.25 % to 0.025% 0.025% to 0.004% 0.004%	Using Multi Function Calibrator by Direct Method
2. AC VOLTAGE <sup>\$</sup>	<b>40 Hz to 1 kHz</b> 10 mV to 100 mV 100 mV to 1V 1V to 1000V	0.5% to 0.053% 0.053% 0.053% to 0.07%	Using Multi Function Calibrator by Direct Method
3. DC CURRENT <sup>\$</sup>	0.3 mA to 300 mA 300 mA to 3 A 3 A to 20A	0.03% to 0.09% 0.09 % to 0.12% 0.12% to 0.16%	Using Multi Function Calibrator by Direct Method
4. AC CURRENT <sup>\$</sup>	<b>40 Hz to 1 kHz</b> 0.3 mA to 30 mA 30 mA to 3 A 3 A to 20 A	0.3% 0.3% to 0.35% 0.35% to 0.25%	Using Multi Function Calibrator by Direct Method
5. RESISTANCE <sup>\$</sup>	1 $\Omega$ to 10 $\Omega$ 10 $\Omega$ to 100 $\Omega$ 100 $\Omega$ to 1 k $\Omega$ 1 k $\Omega$ to 1 M $\Omega$ 1 M $\Omega$ to 100 M $\Omega$	1.2% to 0.12% 0.12% to 0.02% 0.02% to 0.04% 0.04% to 0.2% 0.2% to 0.4%	Using Multi Function Calibrator by Direct Method
6. FREQUENCY <sup>\$</sup>	10 Hz to 300 kHz	0.0007%	Using Multi Function Calibrator by Direct Method
7. CAPACITANCE <sup>\$</sup>	1 nF to 300 nF 300 nF to 300 $\mu$ F	2.0% to 0.5% 0.5% to 0.7%	Using Multi Function Calibrator by Direct Method

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

<sup>\$</sup>Only in Permanent Laboratory

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