

Laboratory Ajit Electronics Corporation, 1st Floor, Gurudas Patil Building,
Manpada, Dombivali East, Maharashtra

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2604

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Validity 16.03.2018 to 15.03.2020

Last Amended on -

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
<u>ELECTRO TECHNICAL CALIBRATION</u>				
I.	SOURCE			
1.	DC Voltage [#]	330mV to 30 V 30 V to 300 V 300 V to 1000 V	0.0023 % to 0.053 % 0.053 % to 0.015 % 0.015 %	Using MPC Fluke 5080A by Direct Method
2.	DC Current [#]	330 μ A to 1 mA 1 mA to 30 mA 30 mA to 300 mA 300 mA to 20 A 20 A to 1000 A	0.202 % to 0.141 % 0.141 % to 0.063 % 0.063 % to 0.069 % 0.069 % to 0.63 % 0.636 % to 0.6 %	Using MPC Fluke 5080A by Direct Method Using MPC Fluke 5080A with 50 Turn current coil by Direct Method
3.	AC Voltage [#]	45 Hz to 1 kHz 10 mV to 30 mV 30 mV to 30 V 30 V to 300 V 300 V to 1000 V	1.075 % to 0.613 % 0.613 % to 0.392 % 0.392 % to 0.169 % 0.169 % to 0.201 %	Using MPC Fluke 5080A by Direct Method
4.	AC Current [#]	45 Hz to 1 kHz 30 μ A to 300 μ A 300uA to 3.0 mA 3.0 mA to 20 A 20 A to 1000 A	3.130 % to 0.589 % 0.569 % to 0.313 % 0.313 % to 0.947 % 0.9 %	Using MPC Fluke 5080A by Direct Method Using MPC Fluke 5080A with 50 Turn current coil by Direct Method

Dheeraj Chawla
Convenor

Avijit Das
Program Director

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5.	Frequency [#]	100 Hz	0.03 %	Using MPC Fluke 5080A by Direct Method
6.	Resistance [#] Discrete (2 & 4 Wire)	1 Ω to 190 Ω 190 Ω to 190k Ω 190 k Ω to 1M Ω 1M Ω to 19M Ω 19M Ω to 190M Ω 75.48 $\mu\Omega$ 194.799 $\mu\Omega$ 748.3207 $\mu\Omega$ 14.8196 m Ω 10M Ω 100M Ω 1G Ω 10G Ω	1.362 % to 0.04 % 0.04 % to 0.049 % 0.049 % to 0.047 % 0.047 % to 0.174 % 0.174 % to 1.160 % 0.711 % 0.71 % 0.77 % 0.5 % 1 % 1 % 1 % 1 %	Using MPC Fluke 5080A by Direct Method Fix Value Resistance by Direct Method Decade Box by Direct Method
7.	Power Factor [#]	UPF to 0.1 (lead /lag)	0.036 PF	Using MPC Fluke 5080A By Direct Method
8.	AC Power [#] @ 50 Hz 1 Phase	100 mV to 1kV 0.5A to 20A 0.5W to 20kW	0.63% to 0.02%	Using MPC Fluke 5080A By Direct Method
9.	Voltage Ratio / Transformer Turns Ratio [#]	1 , 2,5, 10,20, 50, 100, 125, 140, 200.	1.15 %	Using Fix ratio Transformer By Direct Method

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