



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name YOUNG ENGG & CALIBRATION SERVICES PVT LTD, B20, SAUJANYA SOCIETY, VADODARA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3049 Page No. : 1 / 6

Validity 12/09/2019 to 11/09/2021 Last Amended on -

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)	Calibration or Measurement Method or procedure
Permanent Facility					
1	ELECTRO-TECHNICAL-ALTERNATING CURRENT (< 1 GHZ) (Measure)	AC Current	30 µA to 10 A	0.57% to 0.3%	Using Fluke 6 1/2 DMM by direct method
2	ELECTRO-TECHNICAL-ALTERNATING CURRENT (< 1 GHZ) (Measure)	AC Voltage (50 Hz to 1 kHz)	1 mV to 1000 V	4.74% to 0.2%	Using Fluke 8846A DMM by direct method
3	ELECTRO-TECHNICAL-ALTERNATING CURRENT (< 1 GHZ) (Source)	AC Current	20A to 950A	0.73% to 0.47%	Using Fluke MFC 5080A and 50 Turn Coil by direct method
4	ELECTRO-TECHNICAL-ALTERNATING CURRENT (< 1 GHZ) (Source)	AC Current (50 Hz to 1 kHz)	30 µA to 10A	3.19% to 0.72%	Using Fluke 5080A by direct method
5	ELECTRO-TECHNICAL-ALTERNATING CURRENT (< 1 GHZ) (Source)	AC Voltage	1mV to 1000V	9.56% to 0.19%	Using Fluke 5080 by direct method



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6	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC Current	10 µA to 10 A	0.36% to 0.2%	Using Fluke 8846A DMM by direct method
7	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC Voltage	1mV to 1000 V	0.63% to 0.008%	Using Fluke 8846A by direct method
8	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	Resistance	1 MOhm to 190 MOhm	0.02% to 2.97%	Using Fluke 6 1/2 DMM by direct method
9	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	Resistance	1 Ohm to 1 MOhm	0.7% to 0.02%	Using Fluke 6 1/2 DMM by direct method
10	ELECTRO-TECHNICAL- DIRECT CURRENT (Source)	DC Current	10 µA to 10 A	1.48% to 0.63%	Fluke Multifunction Calibrator 5080A
11	ELECTRO-TECHNICAL- DIRECT CURRENT (Source)	DC Current	20A to 950 A	0.61% to 0.42%	Using Fluke MFC 5080A, 50 turn coil by direct method
12	ELECTRO-TECHNICAL- DIRECT CURRENT (Source)	DC Voltage	1 mV to 1000 V	6.22% to 0.0635%	Using Fluke MFC 5080 by direct method
13	ELECTRO-TECHNICAL- DIRECT CURRENT (Source)	Resistance	1 ohm to 100 kOhm	6.56% to 0.084%	Using Fluke 5080A by direct method
14	ELECTRO-TECHNICAL- DIRECT CURRENT (Source)	Resistance	100 kOhm to 1.9 GOhm	0.82% to 1.21%	Using Fluke 5080A Multifunction Calibrator by direct method



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15	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple (K,J)	20 °C to 1100 °C	0.6°C	Using Fluke 8846 DMM by comparison method
16	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple (J,K)	25 °C to 1700 °C	0.3°C to 1.32°C	Using Fluke 5080A Multifunction Calibrator by simulation method
17	ELECTRO-TECHNICAL- TIME & FREQUENCY (Measure)	Frequency	45 Hz to 1 k Hz	0.082% to 0.02%	Using Fluke 8846 DMM by direct method
18	ELECTRO-TECHNICAL- TIME & FREQUENCY (Source)	Frequency	45 Hz to 1000 Hz	0.13% to 0.01%	Using Fluke 5080A by direct method



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Site Facility					
1	ELECTRO-TECHNICAL-ALTERNATING CURRENT (< 1 GHZ) (Measure)	AC High Voltage	2 kV to 70 kV	2.4%	Using HV Divider with DMM by comparison method
2	ELECTRO-TECHNICAL-ALTERNATING CURRENT (< 1 GHZ) (Measure)	AC Voltage (50 Hz to 1 kHz)	1 mV to 1000 V	4.74% to 0.2%	Using Fluke 8846A DMM by direct method
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* CMCs represent expanded uncertainties expressed at approximately the 95% level of confidence, using a coverage factor of k = 2.