



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : EMINENT CALIBRATION & RESEARCH CENTRE PRIVATE LIMITED, FF-06, DREAM
AATMAN-I, VADSAR, VADODARA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-4273 **Page No** 1 of 5

Validity 10/02/2025 to 09/02/2029 **Last Amended on** 18/02/2026

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
Permanent Facility					
1	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Voltage @ 50 Hz	Using Voltage Transformer with kV Meter by Direct Method	1 kV to 10 kV	2.4 % to 2.17 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Capacitance up to 10 kV @ 50 Hz	Using Capacitance & Tan delta Test Set & standard capacitor by Comparison Method	100 pF to 10000 pF	0.96 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Tan delta Measurement up to 10 kV @ 50 Hz	Using Capacitance & Tan delta Test Set & standard capacitor with tan delta point by Comparison Method	0.001 % to 5 %	1.46 % to 1.42 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC High Voltage @ 50 Hz	Using HV Tester & Voltage Transformer with kV Meter by Direct Method	1 kV to 10 kV	2.4 % to 2.17 %
5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance up to 10 kV @ 50 Hz	Using Standard Capacitor by Direct Method	100 pF to 10000 pF	0.96 %



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6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Tan delta Measurement UP to 10 kV @ 50 Hz	Using Standard Capacitor with tan delta points by Direct Method	0.001 % to 5 %	1.3 % to 1.42 %
7	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	PD Calibrator / Pulse Generator (For Pulse Repetition Time)	Using Digital Oscilloscope & Resistance as per IEC 60270 by Direct method	10 ns to 20 ms	1.33 %
8	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	PD Calibrator / Pulse Generator (For Rise Time)	Using Digital Oscilloscope & Resistance as per IEC 60270 by Direct method	10 ns to 500 ms	3.29 %
9	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	PD Calibrator / Pulse Generator (For Charge)	Using Digital Oscilloscope & Resistance as per IEC 60270 by Direct method	1 pC to 10000 pC	1.52 %



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Site Facility					
1	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Voltage @ 50 Hz	Using Voltage Transformer with kV Meter by Direct Method	1 kV to 10 kV	2.4 % to 2.17 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC High Voltage @ 50 Hz	Using HV Divider with kV Meter by Direct Method	10 kV to 200 kV	1.98 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Capacitance up to 10 kV @ 50 Hz	Using Capacitance & Tan delta Test Set & standard capacitor by Comparison Method	100 pF to 10000 pF	0.96 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	Tan delta Measurement up to 10 kV @ 50 Hz	Using Capacitance & Tan delta Test Set & standard capacitor with tan delta point by Comparison Method	0.001 % to 5 %	1.46 % to 1.42 %
5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	AC High Voltage @ 50 Hz	Using HV Tester & Voltage Transformer with kV Meter by Direct Method	1 kV to 10 kV	2.4 % to 2.17 %



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6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Capacitance up to 10 kV @ 50 Hz	Using Standard Capacitor by Direct Method	100 pF to 10000 pF	0.96 %
7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Source)	Tan delta Measurement UP to 10 kV @ 50 Hz	Using Standard Capacitor with tan delta points by Direct Method	0.001 % to 5 %	1.3 % to 1.42 %
8	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC High Voltage	Using HV Divider with kV Meter by Direct Method	1 kV to 100 kV	2.11 %
9	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	PD Calibrator / Pulse Generator (For Pulse Repetition Time)	Using Digital Oscilloscope & Resistance as per IEC 60270 by Direct method	10 ns to 20 ms	1.33 %
10	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	PD Calibrator / Pulse Generator (For Rise Time)	Using Digital Oscilloscope & Resistance as per IEC 60270 by Direct method	10 ns to 500 ms	3.29 %
11	ELECTRO-TECHNICAL-ELECTRICAL EQUIPMENT (Measure)	PD Calibrator / Pulse Generator (For Charge)	Using Digital Oscilloscope & Resistance as per IEC 60270 by Direct method	1 pC to 10000 pC	1.52 %



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* CMCs represent expanded uncertainties expressed at approximately the 95% level of confidence, using a coverage factor of $k = 2$.

