



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name VAISESHIKA ELECTRON DEVICES, 38, INDUSTRIAL ESTATE, ACROSS TANGRI RIVER BRIDGE, AMBALA CANTT, AMBALA, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2258 Page No. : 7 / 11

Validity 17/06/2019 to 16/06/2021 Last Amended on -

S.No	Discipline / Group	Quantity Measured/ Instrument	Range / Frequency	* Calibration Measurement Capability(±)	Remarks
Site Facility					
1	ELECTRO-TECHNICAL-ALTERNATING CURRENT (< 1 GHZ) (Measure)	AC Current @ 50 Hz	1 mA to 10 A	0.03% to 2.2%	Using 5 1/2 Digital Multimeter by Direct Method
2	ELECTRO-TECHNICAL-ALTERNATING CURRENT (< 1 GHZ) (Measure)	AC Voltage @ 50 Hz	1 mV to 750 V	0.6% to 0.04%	Using 5 1/2 Digital Multimeter by Direct Method
3	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC Current	1 µA to 10 A	0.05% to 1.0%	Using 5 1/2 Digital Multimeter by Direct Method
4	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC High Resistance(2 Terminal)	0.1 M Ohm to 1 T Ohm	0.07% to 2.0%	Using Digital Multimeter, HV Probe & Picoamp Meter by (V/I) Method
5	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC Resistance(2 Terminal)	1 Ohm to 100 kOhm	0.2% to 0.02%	Using 6 1/2 Digital Multimeter by Direct Method
6	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC Resistance(2 Terminal)	100 K Ohm to 100 Mohm	0.02% to 0.7%	Using 6 1/2 Digital Multimeter by Direct Method
7	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC Voltage	1 kV to 10 kV	0.7%	Using HV Probe with 5 1/2 Digital Multimeter by Direct Method
8	ELECTRO-TECHNICAL- DIRECT CURRENT (Measure)	DC Voltage	1 mV to 1000 V	0.06% to 0.008%	Using 5 1/2 Digital Multimeter by Direct Method



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9	ELECTRO-TECHNICAL- DIRECT CURRENT (Source)	DC Resistance (4 Terminal)	10 kOhm	0.01 %	By Direct method:
10	ELECTRO-TECHNICAL- DIRECT CURRENT (Source)	DC Resistance(2 Terminal)	0.01 kohm to 100 kohm	2.0% to 0.008%	Using High Precision Decade Resistance Box & Decade Megohm Box by Direct Method
11	ELECTRO-TECHNICAL- DIRECT CURRENT (Source)	DC Resistance(2 Terminal)	1 Gohm to 900 Gohm	1.4% to 3.8%	Using High Precision Decade Resistance Box & Decade Megohm Box by Direct Method
12	ELECTRO-TECHNICAL- DIRECT CURRENT (Source)	DC Resistance(2 Terminal)	100 kOhm to 1 Gohm	0.008% to 1.4%	Using High Precision Decade Resistance Box & Decade Megohm Box by Direct Method
13	ELECTRO-TECHNICAL- DIRECT CURRENT (Source)	DC Resistance(4 Terminal)	0.001 Ohm	0.1%	By Direct method
14	ELECTRO-TECHNICAL- DIRECT CURRENT (Source)	DC Resistance(4 Terminal)	0.01 Ohm	0.05%	By Direct Method
15	ELECTRO-TECHNICAL- DIRECT CURRENT (Source)	DC Resistance(4 Terminal)	0.1 Ohm	0.05%	By Direct Method
16	ELECTRO-TECHNICAL- DIRECT CURRENT (Source)	DC Resistance(4 Terminal)	1 kOhm	0.01%	By Direct Method



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17	ELECTRO-TECHNICAL- DIRECT CURRENT (Source)	DC Resistance(4 Terminal)	1 M Ohm	0.05%	By Direct Method
18	ELECTRO-TECHNICAL- DIRECT CURRENT (Source)	DC Resistance(4 Terminal)	1 Ohm	0.05%	By Direct Method
19	ELECTRO-TECHNICAL- DIRECT CURRENT (Source)	DC Resistance(4 Terminal)	10 M Ohm	0.5%	By Direct Method
20	ELECTRO-TECHNICAL- DIRECT CURRENT (Source)	DC Resistance(4 Terminal)	10 Ohm	0.05%	By Direct Method
21	ELECTRO-TECHNICAL- DIRECT CURRENT (Source)	DC Resistance(4 Terminal)	100 k Ohm	0.06%	By Direct Method
22	ELECTRO-TECHNICAL- DIRECT CURRENT (Source)	DC Resistance(4 Terminal)	100 Ohm	0.01%	By Direct Method
23	ELECTRO-TECHNICAL- TEMPERATURE SIMULATION (Source)	RTD (PT 100)	(-) 200 °C to 850 °C	0.43 °C	Using Temperature Calibrator by Direct Method
24	ELECTRO-TECHNICAL- TEMPERATURE SIMULATION (Source)	Thermocouple J Type	(-) 190 °C to 1100 °C	0.78 °C	Using Temperature Calibrator by Direct Method
25	ELECTRO-TECHNICAL- TEMPERATURE SIMULATION (Source)	Thermocouple K Type	(-) 160 °C to 1200 °C	0.7 °C	Using Temperature Calibrator By Direct Method



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S.No	Discipline / Group	Quantity Measured/ Instrument	Range / Frequency	* Calibration Measurement Capability(±)	Remarks
26	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple R Type	150 °C to 1700 °C	1.3°C	Using Temperature Calibrator by Direct Method
27	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple S Type	170 °C to 1700 °C	1.3°C	Using Temperature Calibrator by Direct Method
28	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple T Type	(-) 130 °C to 400 °C	0.5 °C	Using Temperature Calibrator by Direct Method
29	MECHANICAL-PRESSURE INDICATING DEVICES	Hydraulic Pressure Digital/ Analog Pressure Gauges/ Indicators	0 bar to 20 bar	0.1bar	Using Digital Pressure Gauge by Comparison Method as per DKD-R6-1 Standard
30	MECHANICAL-PRESSURE INDICATING DEVICES	Hydraulic Pressure Digital/ Analog Pressure Gauges/ Indicators	0 bar to 600 bar	0.7bar	Using Digital Pressure Gauge by Comparison Method as per DKD-R6-1 Standard
31	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Pressure Digital/ Analog Pressure Gauges/ Indicators	0 bar to 60 bar	0.2bar	Using Digital Pressure Gauge by Comparison Method as per DKD-R6-1 Standard
32	THERMAL-TEMPERATURE	RTD, Thermocouple with & without Temperature Indicator/ Controllers/ Recorder, Temperature Gauges, Digital Thermometers	200 °C to 600 °C	1.1 °C	Using Temperature Indicator with Sensor (PT-100) by comparison Method