National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CALIBRATION LABORATORY, G-TEK CORPORATION PRIVATE LIMITED, 3, MAHAVIR ESTATE, KARELIBAUG, VADODARA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3545 **Page No** 1 of 8

Validity 13/04/2025 to 12/04/2029 **Last Amended on** -

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-DIRECT CURRENT (Measure)	DC Current	Using 6½ Data Acquisition / Switch Unit by Direct Method	1 mA to 10 mA	0.3 % to 0.08 %
2	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6½ Data Acquisition / Switch Unit by Direct Method	10 mA to 100 mA	0.08 % to 0.064 %
3	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Data Acquisition / Switch Unit by Direct Method	1 mV to 100 mV	0.49 % to 0.015 %
4	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Data Acquisition / Switch Unit by Direct Method	1 V to 10 V	0.01 % to 0.005 %
5	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Data Acquisition / Switch Unit by Direct Method	10 V to 100 V	0.005 % to 0.006 %
6	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6½ Data Acquisition / Switch Unit by Direct Method	100 mV to 1 V	0.015 % to 0.01 %
7	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 Wire)	Using 6½ Data Acquisition / Switch Unit by Direct Method	1 kohm to 4 kohm	0.059 % to 0.02 %

SCOPE OF ACCREDITATION

Laboratory Name : CALIBRATION LABORATORY, G-TEK CORPORATION PRIVATE LIMITED, 3, MAHAVIR ESTATE, KARELIBAUG, VADODARA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3545 **Page No** 2 of 8

Validity 13/04/2025 to 12/04/2029 **Last Amended on** -

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)(±)
8	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 Wire)	Using 6½ Data Acquisition / Switch Unit by Direct Method	1 ohm to 100 ohm	0.75 % to 0.016 %
9	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance (4 Wire)	Using 6½ Data Acquisition / Switch Unit by Direct Method	100 ohm to 1 kohm	0.016 % to 0.059 %
10	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Precision Process Calibrator by Direct Method	1 mA to 100 mA	0.59 % to 0.01 %
11	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Precision Process Calibrator by Direct Method	0.001 V to 0.1 V	5.78 % to 0.058 %
12	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Precision Process Calibrator by Direct Method	0.1 V to 1 V	0.058 % to 0.007 %
13	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Precision Process Calibrator by Direct Method	1 V to 10 V	0.007 %
14	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Precision Process Calibrator by Direct Method	10 V to 100 V	0.007 %

SCOPE OF ACCREDITATION

Laboratory Name : CALIBRATION LABORATORY, G-TEK CORPORATION PRIVATE LIMITED, 3, MAHAVIR ESTATE, KARELIBAUG, VADODARA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3545 **Page No** 3 of 8

Validity 13/04/2025 to 12/04/2029 **Last Amended on** -

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)(±)
15	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Precision Process Calibrator by Direct Method	400 ohm to 4000 ohm	0.0047 % to 0.009 %
16	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance (2 Wire)	Using Precision Process Calibrator by Direct Method	5 ohm to 400 ohm	0.37 % to 0.0047 %
17	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	RTD (PT100)	Using Precision Process Calibrator by Direct Method	(-) 200 °C to 800 °C	0.08 °C
18	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - B Type	Using Precision Process Calibrator by Direct Method	600 °C to 1800 °C	0.41 °C
19	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - E Type	Using Precision Process Calibrator by Direct Method	(-) 250 °C to 1000 °C	0.48 °C
20	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - J Type	Using Precision Process Calibrator by Direct Method	(-) 200 °C to 1200 °C	0.16 °C
21	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - K Type	Using Precision Process Calibrator by Direct Method	(-) 200 °C to 1370 °C	0.53 °C

SCOPE OF ACCREDITATION

Laboratory Name : CALIBRATION LABORATORY, G-TEK CORPORATION PRIVATE LIMITED, 3, MAHAVIR ESTATE, KARELIBAUG, VADODARA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3545 **Page No** 4 of 8

Validity 13/04/2025 to 12/04/2029 **Last Amended on** -

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)(±)
22	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - N Type	Using Precision Process Calibrator by Direct Method	(-) 200 °C to 1300 °C	0.27 °C
23	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - R Type	Using Precision Process Calibrator by Direct Method	(-) 50 °C to 1767 °C	0.65 °C
24	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - S Type	Using Precision Process Calibrator by Direct Method	(-) 50 °C to 1767 °C	0.6 °C
25	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Thermocouple - T Type	Using Precision Process Calibrator by Direct Method	(-) 200 °C to 400 °C	0.2 °C
26	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	RTD (PT100)	Using Precision Process Calibrator by Direct Method	(-) 200 °C to 800 °C	0.061 °C
27	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - B Type	Using Precision Process Calibrator by Direct Method	600 °C to 1800 °C	0.41 °C
28	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - E Type	Using Precision Process Calibrator by Direct Method	(-) 250 °C to 1000 °C	0.3 °C

SCOPE OF ACCREDITATION

Laboratory Name : CALIBRATION LABORATORY, G-TEK CORPORATION PRIVATE LIMITED, 3, MAHAVIR ESTATE, KARELIBAUG, VADODARA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3545 **Page No** 5 of 8

Validity 13/04/2025 to 12/04/2029 **Last Amended on** -

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)(±)
29	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - J Type	Using Precision Process Calibrator by Direct Method	(-) 200 °C to 1200 °C	0.18 °C
30	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - K Type	Using Precision Process Calibrator by Direct Method	(-) 200 °C to 1370 °C	0.53 °C
31	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - N Type	Using Precision Process Calibrator by Direct Method	(-) 200 °C to 1300 °C	0.28 °C
32	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - R Type	Using Precision Process Calibrator by Direct Method	(-) 50 °C to 1767 °C	0.64 °C
33	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - S Type	Using Precision Process Calibrator by Direct Method	(-) 50 °C to 1767 °C	0.6 °C
34	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Thermocouple - T Type	Using Precision Process Calibrator by Direct Method	(-) 200 °C to 400 °C	0.2 °C

SCOPE OF ACCREDITATION

Laboratory Name : CALIBRATION LABORATORY, G-TEK CORPORATION PRIVATE LIMITED, 3, MAHAVIR ESTATE, KARELIBAUG, VADODARA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3545 **Page No** 6 of 8

Validity 13/04/2025 to 12/04/2029 **Last Amended on** -

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)(±)
35	MECHANICAL-PRESSURE INDICATING DEVICES	Hydraulic Pressure: Analog / Digital Pressure Gauge, Pressure Transmitter, Pressure Switch, Pressure Transmitter with Recorder / Indicator	Using Digital Pressure Gauge, Multifunction Process Calibrator and Hydraulic Comparator by Comparison Method as per DKD-R 6-1	0 to 1000 bar	0.59 bar
36	MECHANICAL-PRESSURE INDICATING DEVICES	Hydraulic Pressure: Analog / Digital Pressure Gauge, Pressure Transmitter, Pressure Switch, Pressure Transmitter with Recorder / Indicator	Using Digital Pressure Gauge, Multifunction Process Calibrator and Hydraulic Comparator by Comparison Method as per DKD-R 6-1	10 bar to 100 bar	0.14 bar
37	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Pressure: Analog / Digital Pressure Gauge, Pressure Transmitter, Pressure Switch, Pressure Transmitter with Recorder / Indicator	Using Digital Pressure Calibrator with Vacuum / Pneumatic Hand Pressure Pump, Multifunction Process Calibrator by Comparison Method as per DKD-R 6-1	(-) 400 mbar to 400 mbar	0.78 mbar
38	THERMAL-SPECIFIC HEAT & HUMIDITY	Analog / Digital Thermo Hygrometer, Temperature & Humidity sensor with Indicator / Controller / Transmitter, Temperature & Humidity Data Logger @ 25 °C	Using Standard Temperature & Humidity sensor with Indicator and Humidity & Temperature Generator by Comparison Method	10 %RH to 90 %RH	0.71 %RH

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CALIBRATION LABORATORY, G-TEK CORPORATION PRIVATE LIMITED, 3, MAHAVIR ESTATE, KARELIBAUG, VADODARA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3545 **Page No** 7 of 8

Validity 13/04/2025 to 12/04/2029 **Last Amended on** -

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)(±)
39	THERMAL-SPECIFIC HEAT & HUMIDITY	Analog / Digital Thermo Hygrometer, Temperature and Humidity sensor with Indicator / Controller / Transmitter, Temperature & Humidity Data Logger @ 50 %RH	Using Standard Temperature & Humidity sensor with Indicator and Humidity & Temperature Generator by Comparison Method	10 °C to 50 °C	0.45 °C
40	THERMAL-TEMPERATURE	RTD / Thermocouple / Transmitter With or Without Temperature Indicator / Controller / Recorder / Scanner / Data Logger	Using 4 Wire SPRT sensor with Indicator, Multifunction Calibrator and Ultra Cool Drywell Bath by Comparison Method	(-) 95 °C to 140 °C	0.5 °C
41	THERMAL-TEMPERATURE	RTD / Thermocouple / Transmitter With or Without Temperature Indicator / Controller / Recorder / Scanner / Data Logger	Using 4 Wire SPRT sensor with Indicator, Multifunction Calibrator and Dry Block Temperature Bath by Comparison Method	150 °C to 600 °C	1.61 °C
42	THERMAL-TEMPERATURE	Temperature Data Logger with Inbuilt Sensor	Using 4 Wire SPRT sensor with Indicator and Temperature Chamber by Comparison Method	(-) 30 °C to 50 °C	1.46 °C
43	THERMAL-TEMPERATURE	Thermocouple / Transmitter With or Without Temperature Indicator / Controller / Recorder / Scanner / Data Logger	Using R type Thermocouple with Indicator, Multifunction Calibrator and Dry Block Temperature Bath by Comparison Method	600 °C to 1200 °C	2.91 °C

SCOPE OF ACCREDITATION

Laboratory Name :	CALIBRATION LABORATORY, G-TEK CORPORATION PRIVATE LIMITED, 3, MAHAVIR ESTATE, KARELIBAUG, VADODARA, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-3545	**Page No**	8 of 8
Validity	13/04/2025 to 12/04/2029	**Last Amended on**	-

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