



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	ELECTRONICS REGIONAL TEST LABORATORY (EAST), BLOCK DN 63, SECTOR V, SALT LAKE, KOLKATA, WEST BENGAL, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	CC-2008	Page No	54 of 56
Validity	21/01/2024 to 20/01/2026	Last Amended on	24/04/2024

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)(±)
113	MECHANICAL-ACCELERATION AND SPEED	Tachometer (Non Contact type)	Using Precision Tachometer & standard Stroboscope by Comparison method	30 rpm to 70000 rpm	1.5 % to 0.1 %
114	MECHANICAL-PRESSURE INDICATING DEVICES	Hydraulic Pressure Gauge, Pressure Transmitter	Using Digital Pressure Indicator, Digital Pressure Calibrator and digital multimeter by comparison method as per DKD R-6-1	0 bar to 700 bar	0.23 bar
115	MECHANICAL-PRESSURE INDICATING DEVICES	Pneumatic Precision Gauges, Precision Transmitter	Using Digital Pressure Indicator, Digital Pressure Calibrator and digital multimeter by comparison method as per DKD R-6-1	0 bar to 40 bar	0.021 bar
116	MECHANICAL-PRESSURE INDICATING DEVICES	Vacuum Gauges, Vacuum Transmitter	Using Digital Pressure Indicator, Digital Pressure Calibrator and digital multimeter by comparison method as per DKD R-6-1	0 bar to (-) 0.9 bar	0.0042 bar



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117	THERMAL-SPECIFIC HEAT & HUMIDITY	Environmental Chamber & Humidity Chambers	Using Humidity Indicator with Sensor, RTD & Data Loggers (minimum nine sensors) By spatial mapping Method	35 %rh to 95 %rh (25°C to 60°C)	2 %rh
118	THERMAL-TEMPERATURE	Bath, Oven, Chamber, Incubator & Autoclave (for Non- Medical Application) (Single Position)	Using RTD , Temperature Indicator & Data Loggers by Comparison Method	(-)50 °C to 300 °C	1.0 °C
119	THERMAL-TEMPERATURE	Bath, Oven, Chamber, Incubator & Furnace (Multi position)	Using RTDs & Data Loggers (minimum 9 Sensors) by comparison Method	(-)50 °C to 300 °C	1.0 °C
120	THERMAL-TEMPERATURE	Refrigerator & Cold Chamber (Multi Position)	Using RTDs & Data Loggers (minimum 9 Sensors) by comparison Method	(-) 80 °C to 50 °C	1.0 °C
121	THERMAL-TEMPERATURE	Refrigerator & Cold Chamber (Single Position)	Using RTD, Temperature Indicator & Data Logger by Comparison Method	(-) 80 °C to 50 °C	1.0 °C



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122	THERMAL-TEMPERATURE	Temperature Gauge, Temperature Sensor with or without indicator	Using SPRT, Dry Block Calibrator & Temperature Indicator By Comparison Method	50 °C to 300 °C	1 °C
123	THERMAL-TEMPERATURE	Temperature Indicator with Sensor of Bath, Oven, Chamber, Incubator & Autoclave (for Non-Medical Application) (Single Position)	Using PRT with Temperature Indicator by Comparison Method	(-)-50 °C to 300 °C	0.5°C
124	THERMAL-TEMPERATURE	Temperature Indicator with Sensor of Dry Well Calibrator, Furnace, Hot Chamber	Using 'R' Type Thermocouple & Temperature Indicator by Comparison Method	300 °C to 1300 °C	2.0 °C
125	THERMAL-TEMPERATURE	Thermocouple, Temperature Gauge with or without Indicator	Using R Type Thermocouple, Dry block Calibrator & Temperature Indicator By Comparison Method	300 °C to 1200 °C	2 °C

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