



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

AMPHENOL INTERCONNECT INDIA PVT. LTD., PLOT NO 06, SURVEY NO 64,
SOFTWARE UNITS LAYOUT, MAHAVEER TECHNO PARK, HITECH CITY,
MADHAPUR, HYDERABAD, TELANGANA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3549

Page No

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Validity

13/04/2023 to 12/04/2025

Last Amended on

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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 (Source)	DC Resistance	Using Resistance Module By Direct Method	100 ohm	0.008ohm
2	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multifunction Calibrator By Direct Method	1 mV to 30 mV	0.000124 mV to 0.000324 mV
3	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multifunction Calibrator By Direct Method	30 mV to 300 mV	0.000324 mV to 0.000093 V
4	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multifunction Calibrator By Direct Method	300 mV to 10 V	0.000093 V to 0.000078 V
5	THERMAL-TEMPERATURE	RTD, Resistance Thermometers, Direct Reading Thermometers and Temperature Transmitters with Resistance Sensors (with digital readout)	Using SPRT with Super Thermometer, Communication Software Interface for Digital Readout and Temperature Source i.e. Nitrogen Bath (-196 °C) By Comparison Method	-196 °C	0.004 °C



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6	THERMAL-TEMPERATURE	RTD, Resistance Thermometers, Direct Reading Thermometers and Temperature Transmitters with Resistance Sensors (with digital readout)	Using SPRT with Super Thermometer, Communication Software Interface for Digital Readout and Temperature Source i.e Salt Bath (200 to 450 °C) By Comparison Method	200 °C to 420 °C	0.009°C
7	THERMAL-TEMPERATURE	RTD, Resistance Thermometers, Direct Reading Thermometers and Temperature Transmitters with Resistance Sensors (with digital readout)	Using SPRT with Super Thermometer, Communication Software Interface for Digital Readout and Temperature Source i.e. Oil Bath (25 to 200 °C) By Comparison Method	25 °C to 200 °C	0.006°C
8	THERMAL-TEMPERATURE	RTD, Resistance Thermometers, Direct Reading Thermometers and Temperature Transmitters with Resistance Sensors (with digital readout)	Using SPRT with Super Thermometer, Communication Software Interface for Digital Readout and Temperature Source i.e. Liquid Bath (-80 to 25 °C) By Comparison Method	-80 °C to 25 °C	0.004°C



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9	THERMAL-TEMPERATURE	Temperature Data Loggers with Sensor	Using IRTD with Indicator and Dry Bath / Liquid Bath By Comparison Method	(-)80 °C to 25 °C	0.03°C
10	THERMAL-TEMPERATURE	Temperature Data Loggers with Sensor	Using IRTD with Indicator and Dry Bath / Liquid Bath By Comparison Method	25 °C to 140 °C	0.03°C
11	THERMAL-TEMPERATURE	Temperature indicator with sensor of Dry Baths / Dry wells (Single Position)	Using PRT with Indicator By Comparison Method	-95 °C to 140 °C	0.03°C

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