



Scope of Accreditation for Calibration

As per ISO/IEC 17025:2017

CAB Name: AMPHENOL INTERCONNECT INDIA PRIVATE LIMITED

Page No. 1 of 1

Address: Mahaveer Techno Park, APIIC, Plot no.6, Survey
No.64, Software Units layout, Hi-tech City, Madhapur,
Hyderabad – 500081, Telangana

Issue date: 05.04.2025

Certificate No.: C-0008

Validity : 04.04.2029
Amendment date: 21.04.2025

Sr. No.	Parameter/Measurand quantity, Instrument or gauge	Range	CMC	Remarks/Method used	Facility
Electrotechnical- Direct Current (Source Mode)					
1	DC Voltage	1 mV to 30 mV	0.00059 mV to 0.00085 mV	Using Multifunction Calibrator by Direct Method	Permanent
2		30 mV to 60 mV	0.00085 mV to 0.0010 mV		Permanent
3		60 mV to 300 mV	0.0010 mV to 0.0040 mV		Permanent
4		0.3V to 10 V	0.0000040 V to 0.00010 V		Permanent
5	DC Resistance	100 Ω	0.0080 Ω	Using ResistanceModules	Permanent
6	DC Voltage	10 mV to 30 mV	0.0025 mV to 0.0027 mV	Using Precision DC Source Calibrator by Direct Method	Permanent
7		30 mV to 60 mV	0.0027 mV to 0.0030 mV		Permanent
8		60 mV to 300 mV	0.0030 mV to 0.0080 mV		Permanent
9		0.3 V to 10 V	0.0000080V to 0.00014V		Permanent
Thermal- Temperature					
10	RTD, Resistance thermometers, Direct reading thermometers, Temperature transmitter with resistance sensors (with Digital readouts)	(-) 196 °C	0.0060 °C	Using SPRT with digital temp. indicator with temp. sources 1. Nitrogen bath (-196 °C) 2. Liquid bath (-80 °C to 25°C) 3. Oil bath (25 °C to 200 °C)	Permanent
11		(-) 80°C to 25 °C	0.0050 °C		Permanent
12		25 °C to 200 °C	0.0080 °C		Permanent
13		200 °C to 420	0.010 °C		Permanent
14	Temperature data loggers with sensor	(-80 °C to 140 °C)	0.030 °C	Using RTD with temp indicator and Dry Bath/ liquid Bath	Permanent

Note: CMC in (±) at 95% confidence level