CERTIFICATE OF ACCREDITATION

This is to attest

GLOBAL INSIGNIA FOR TECHNICAL SERVICES COMPANY

BANDER AL BADEEN BUSINESS CENTER, BUILDING NO. 7023-SALMAN AL FARISI ST AL KHALIDIYYAH
DAMMAM 32232, SAUDI ARABIA

Calibration Laboratory CL-186

has met the requirements of AC204, *IAS Accreditation Criteria for Calibration Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Expiration Date May 1, 2026
Effective Date November 13, 2025

IAS ACCREDITED

International Accreditation Service
Issued under the authority of IAS management

Visit www.iasonline.org for current accreditation information.

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 101, Brea, California 92821, U.S.A. | www.iasonline.org

GLOBAL INSIGNIA FOR TECHNICAL SERVICES COMPANY

www.globalinsignia.com

Contact Name Renju J. Cherian **Contact Phone** +966 558443064

Accredited to ISO/IEC 17025:2017 *Effective Date November 13, 2025*

CALIBRATION AND MEASUREMENT CAPABILITY (CMC)*

MEASURED QUANTITY or DEVICE TYPE CALIBRATED	RANGE	UNCERTAINTY[1,2] (±)	CALIBRATION METHOD OR PROCEDURE, STANDARD EQUIPMENT (OPTIONAL)
Dimensional			
Gauge Blocks (Grade 1 & Grade 2 Only)	1 mm to 25 mm 25 mm to 50 mm 50 mm to 75 mm 75 mm to 100 mm	0.68 µm 0.71 µm 0.80 µm 0.90 µm	LABMASTER 1000M Grade '0' Gauge Block set ASME B89.1.9 -2023.
Caliper (Digital, Dial & Vernier types)	0 mm to 300 mm	7.7 µm	Grade '0', Gauge Block set ISO 13385-1: 2019 GIFTS Procedure: CALPRDVC-01
Dial Indicator	1 mm Up to 12 mm	1 µm 2 µm	LABMASTER 1000M Grade '0' Gauge Block set ASME B89.1.10M-2001
3-Wire & 2-Wire Sets for Thread Measurements	Ø 0.007 mm to Ø 6 mm Ø 6 mm to Ø 10 mm	1.2 µm 2.5 µm	LABMASTER 1000M Grade '0' Gauge Block set ASME B89.1.17-2001
Setting Rods	25 mm to 1000 mm	10 µm	LABMASTER 1000M Grade '0' Gauge Block set IS 7014 -1973(RA 1995)
Micrometer	Up to 200 mm	9.4 µm	LABMASTER 1000M Grade '0' Gauge Block set ASME B89.1.13-2013
Height Gauge	0 mm to 1000 mm	12 µm	Standard Setting Rod BS EN ISO 13225-2012.
Cylindrical Ring Gages (Inside Diameter) (Type: Plain Cylindrical Ring Gauges, Setting Ring Gages, Master Setting ring	Up to Ø 200 mm	3.2 µm	LABMASTER 1000M Grade '0' Gauge Block set IS 3485-1983 (RA1998)

** If information in this CMC is presented in non-SI units, the conversion factors stated in NIST Special Publication 811 "Guide for the Use of the International System of Units (SI)" apply.*

MEASURED QUANTITY or DEVICE TYPE CALIBRATED	RANGE	UNCERTAINTY[1,2] (±)	CALIBRATION METHOD OR PROCEDURE, STANDARD EQUIPMENT (OPTIONAL)
Gages and GO/NO-GO Ring Gages)			
Thread Plug Gauge (Major and Pitch diameter only)	Up to M 60 (also, up to ϕ2.5”X 4UNC) Major diameter Pitch diameter	 1.6 µm 1.9 µm	LABMASTER 1000M Grade ‘0’ Gauge Block set ANSI/ASME B1.2-R2017
Mechanical			
Pressure Gauges	0 bar to 40 bar 0 bar to 300 bar 0 bar to 1000 bar 0 bar to 4000 bar	0.04 bar 0.14 bar 0.58 bar 5.3 bar	BS EN 837-1, WIKA Digital Pressure Gauge.
Pressure Transmitter / Pressure Transducer	0 bar to 1000 bar	0.1 bar	WIKA Pressure Indicator Euramet cg-17
Pressure Transducer	1000 bar to 3000 bar	4.5 bar	WIKA Pressure Indicator Euramet cg-17
Safety Relief Valve	0 bar to 300 bar	1.7 bar	API 527, API 526 and API 576 Ventil Testing Unit with AE Sensor
Vacuum Gauge	-0.9 bar to 5 bar	0.02 bar	WIKA Digital Vacuum Gauge ISO 3567: 2011
Weight Set (Mass)	2 g to 2 kg	17 mg	Mettler Toledo Analytical Balance. NPL MGP Guide No.:71
Torque Wrench	2.5 N·m to 25 N·m 10 N·m to 100 N·m 50 N·m to 500 N·m 100 N·m to 800 N·m 300 N·m to 3000 N·m	0.11 N·m 0.25 N·m 1.9 N·m 8.8 N m 12 N·m	ISO 6789, NORBAR Static Torque Transducer
Hydraulic Torque Wrench	5000 N·m to 20000 N·m	100 N·m	Hydraulic Torque Wrench Tester GIFTS Procedure: CALPRHTW-01
Volumetric Glassware (Glass Syringe, Pipette)	Up to 100 mL	0.42 mL	METTLER-TOLEDO Analytical Balance ISO 8655-6-2022
Volumetric Glassware (Measuring Cylinder, Receiving Cylinder, Volumetric Flask, Burette, and Measuring Jar.)	Up to 1000 mL	1.5 mL	METTLER-TOLEDO Analytical Balance. ISO 8655-6-2022

MEASURED QUANTITY or DEVICE TYPE CALIBRATED	RANGE	UNCERTAINTY[1,2] (±)	CALIBRATION METHOD OR PROCEDURE, STANDARD EQUIPMENT (OPTIONAL)
Thermal			
RTD	-45 °C to 200 °C	0.72 °C	ISOTECH Precision Thermometer ASTM E1137/E1137M-08
Thermocouple	100 °C to 1100 °C	1.8 °C	WIKA Digital Thermometer ASTM E839-23
Liquid in Glass Thermometer	-45 °C to 200 °C	0.56 °C	ISOTECH Precision Thermometer NBS Monograph-150
Temperature Transmitter	-45 °C to 1100 °C	2.8 °C	ISOTECH Precision Thermometer Euramet cg-11
Oven & Furnace	up to 300 °C	2.7 °C	WIKA Digital Thermometer ASTM E145-19
Electrical – DC/LF			
DC Current Generate[3]	0 µA to 200 µA 200 µA to 2 mA 2 mA to 20 mA 20 mA to 200 mA 0 A to 100 A 100 A to 500 A 500 A to 1000 A	1.2 µA 0.0029 mA 0.0071 mA 0.019 mA 0.6 A 3 A 6 A	EURAMET cg-15, Multifunction Calibrator, Time Electronics LTD
DC Voltage Generate[3]	0 mV to 20 mV 0 mV to 200 mV 0 V to 2 V 0 V to 20 V 0 V to 200 V 0 V to 500 V 0 V to 1000 V	0.0013 mV 0.0035 mV 0.055 mV 5.1 mV 9.7 mV 60 mV 83 mV	EURAMET cg-15, Multifunction Calibrator, Time Electronics LTD
AC Current Generate[3] 20 Hz to 1 kHz AC Current Generate[3] 20 Hz to 500 Hz AC Current Generate[3] @ 60 Hz	0 µA to 200 µA 0 mA to 2 mA 0 mA to 20 mA 0 mA to 200 mA 200 mA to 20A 20 A to 500 A 500 A to 1000 A	1.3 µA 0.0012 mA 0.012 mA 0.12 mA 0.1 A 0.11 A 0.32 A	EURAMET cg-15, Multifunction Calibrator, Time Electronics LTD
AC Voltage Generate[3] 20 Hz to 1 kHz	20 mV to 200 mV 200 mV to 2 V 2 V to 20 V	1.2 mV 0.29 mV 22 mV	EURAMET cg-15, Multifunction Calibrator, Time Electronics LTD

MEASURED QUANTITY or DEVICE TYPE CALIBRATED	RANGE	UNCERTAINTY[1,2] (±)	CALIBRATION METHOD OR PROCEDURE, STANDARD EQUIPMENT (OPTIONAL)
AC Voltage Generate[3] 40 Hz to 1 kHz	20 V to 200 V 200 V to 500 V 500 V to 1000 V	0.26 V 0.53 V 0.99 V	
DC Resistance Generate[3]	10 Ω to 19 Ω 20 Ω to 100 Ω 101 Ω to 1k Ω 1 kΩ to 10 kΩ 10 kΩ to 100 kΩ 100 kΩ to 1 MΩ 1 MΩ to 4 MΩ	17 mΩ 26 mΩ 130 mΩ 2.3 Ω 0.023 kΩ 0.28 kΩ 0.0072 MΩ	EURAMET cg-15, Multifunction Calibrator, Time Electronics LTD
Electrical Simulation of Thermocouples (Generate) Type K Type J Electrical Simulation of Thermocouples (Generate) (cont'd.) Type T Type R Type S Type E	 -200 °C to 1200 °C -180 °C to 1200 °C -200 °C to 395 °C 0 °C to 1750 °C 0 °C to 1750 °C -50 °C to 995 °C	 0.15 °C 0.15 °C 0.12 °C 0.34 °C 0.34 °C 0.09 °C	EURAMET cg-11 Multifunction Calibrator, Time Electronics LTD GIFTS Procedure: CALPRECT-01
Electrical Simulation of RTD (Generate) Pt-100	 -180 °C to 800 °C	 0.45 °C	EURAMET cg-11 Multifunction Calibrator, Time Electronics LTD
Capacitance Generate[3] @1 kHz	1 nF to1000 nF	0.3 %	EURAMET cg-15, Multifunction Calibrator, Time Electronics LTD
Time and Frequency			
Non-Contact Tachometer	6 rpm to 60000 rpm	1 %	Multifunction Calibrator, Time Electronics LTD GIFTS Procedure: CALPRENT-01

[1]The uncertainty covered by the Calibration and Measurement Capability (CMC) is expressed as the expanded uncertainty having a coverage probability of approximately 95 %. It is the smallest measurement uncertainty that a laboratory can achieve within its scope of accreditation when performing calibrations of a best existing device. The measurement uncertainty reported on a calibration certificate may be greater than that provided in the CMC due to the behavior of the calibration item and other factors that may contribute to the uncertainty of a specific calibration.

[2]When uncertainty is stated in relative terms (such as percent, a multiplier expressed as a decimal fraction or in scientific notation), it is in relation to instrument reading or instrument output, as appropriate, unless otherwise indicated.

[3]Capability is suitable for the calibration of measuring devices in the stated ranges.