



CERTIFICATE OF ACCREDITATION

This is to attest that

PRECISION SCIENTIFIC EQUIPMENT

LIGHT INDUSTRIAL AREA
AL JUBAIL 31961, KINGDOM OF SAUDI ARABIA

Calibration Laboratory CL-220

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.

Effective Date October 13, 2021

Expiration Date June 1, 2025



A handwritten signature in black ink that reads "Raj Nathan".

President

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

PRECISION SCIENTIFIC EQUIPMENT

www.preciequip.com

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Accredited to ISO/IEC 17025:2017

Effective Date October 13, 2021

CALIBRATION AND MEASUREMENT CAPABILITY (CMC)*

MEASURED QUANTITY or DEVICE TYPE CALIBRATED	RANGE	UNCERTAINTY ^{1,2} (±)	CALIBRATION PROCEDURE AND/OR STANDARD EQUIPMENT USED
Mechanical			
Mass flow measurement and calibration Types of flow meters: Coriolis, Electromagnetic, Vortex, Turbine, Mechanical, Ultrasonic Sizes: ½ inch to 14 inches	10 kg/min to 1500 kg/min 1500 kg/min to 7000 kg/min 7000 kg/min to 18000 kg/min	0.034 % 0.036 % 0.038 %	Gravimetric method, Procedure PSE/C/SOP-F02
Volume flow measurement and calibration Types of flow meters: Coriolis, Electromagnetic, Vortex, Turbine, Mechanical, Ultrasonic Sizes: ½ inch to 14 inches	10 L/min to 1500 L/min 1500 L/min to 7000 L/min 7000 L/min to 18000 L/min	0.035 % 0.036 % 0.038 %	Gravimetric method, Procedure PSE/C/SOP-F02
Mass flow measurement and calibration Covering flowmeters of type: Coriolis, Electromagnetic, Vortex, Turbine, Mechanical, Ultrasonic, Rota meter Sizes: ½ inch to 4 inches	6 kg/min to 250 kg/min 250 kg/min to 600 kg/min 600 kg/min to 2500 kg/min	0.07 % 0.08 % 0.09 %	Reference comparison method using reference flowmeters Procedure PSE/C/SOP-F01

* 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.

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MEASURED QUANTITY or DEVICE TYPE CALIBRATED	RANGE	UNCERTAINTY ^{1,2} (±)	CALIBRATION PROCEDURE AND/OR STANDARD EQUIPMENT USED
Volume flow measurement and calibration Covering flowmeters of type: Coriolis, Electromagnetic, Vortex, Turbine, Mechanical, Ultrasonic, Rota meter Sizes: ½ inch to 4 inches	6 L/min to 250 L/min 250 L/min to 600 L/min 600 L/min to 2500 L/min	0.075 % 0.078 % 0.082 %	Reference comparison method using Reference flowmeters Procedure PSE/C/SOP-F01
Pressure Gauges/ Pressure Transmitter/ Pressure Transducer/ Pressure Switches/ pressure recorder/ differential pressure recorder	1 bar to 1000 bar	0.05 %	Dead weight tester Procedure PSE/C/SOP-P02
Pressure Gauges/ Pressure Transmitter/ Pressure Transducer/ Pressure Switches/ pressure recorder/ differential pressure recorder	-0.82 bar to 20 bar	0.02 bar	Automatic Pressure Calibrator Procedure PSE/C/SOP-P01
Pressure Gauges/ Pressure Transmitter/ Pressure Transducer/ Pressure Switches/ pressure recorder/ differential pressure recorder	0 bar to 700 bar	1.7 bar	Master Digital Pressure Gauge Procedure PSE/C/SOP-P02

¹The 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.

²When 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.