



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

Perry Johnson Laboratory Accreditation, Inc. has assessed the Laboratory of:

Piacenza Tarature srl

Via Trieste, 4, Via Trento, 4/A, Piacenza, 29122

(Hereinafter called the Organization) and hereby declares that Organization is accredited in accordance with the recognized International Standard:

ISO/IEC 17025:2017

This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (as outlined by the joint ISO-ILAC-IAF Communiqué dated April 2017):

Electrical, Mechanical, and Thermodynamic Calibration
(As detailed in the supplement)

Accreditation claims for such testing and/or calibration services shall only be made from addresses referenced within this certificate. This Accreditation is granted subject to the system rules governing the Accreditation referred to above, and the Organization hereby covenants with the Accreditation body's duty to observe and comply with the said rules.

For PJLA:

Tracy Szerszen
President

Initial Accreditation Date:

February 14, 2023

Issue Date:

February 14, 2023

Expiration Date:

May 31, 2025

Revision Date:

February 26, 2024

Accreditation No.:

117041

Certificate No.:

L23-119-R1

Perry Johnson Laboratory
Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084

The validity of this certificate is maintained through ongoing assessments based on a continuous accreditation cycle. The validity of this certificate should be confirmed through the PJLA website: www.pjllabs.com



Certificate of Accreditation: Supplement

Piacenza Tarature srl

Via Trieste, 4, Via Trento, 4/A, Piacenza, 29122
Contact Name: Simone La Salandra Phone: 052-359-3278

Accreditation is granted to the facility to perform the following calibrations:

Mechanical

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (\pm)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED
Absolute Pressure – Measure Transmitters and Manometers ^{FO}	0.1 bar to 2.5 bar	0.002 bar + 0.03 % RDG	HP 3457A DMM AEP TP1 Pressure Transducer	EURAMET Calibration Guide No. 17 Version 4.1 (09/2022)
Pneumatic Pressure – Measure Transmitters and Manometers ^{FO}	Up to 2 000 Pa	0.5 Pa + 0.03 % RDG	HP 3457A DMM	
	0.02 bar to 1 bar	0.0001 bar + 0.02 % RDG	Delta Ohm HD2114.0	
	1 bar to 5 bar	0.0015 bar + 0.003 % RDG	Dead-weight Budenberg	
	5 bar to 50 bar	0.03 bar + 0.001 % RDG	AEP LAB DMM	
Hydraulic Pressure – Measure Transmitters & Manometers ^{FO}	1 bar to 60 bar	0.001 bar + 0.015 % RDG	Budenburg 380 DWT	
	60 bar to 1 000 bar	0.0035 bar + 0.015 % RDG	HP 3457A DMM	
	1 000 bar to 2 000 bar	1.0 bar + 0.02 % RDG	AEP TP14 Pressure Transducer	
Pneumatic Pressure – Measure Tires Inflation Equipment ^{FO}	Up to 12 bar	0.040 bar	HP 3457A DMM AEP Pressure Transducers	UNI EN 12645

Electrical

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (\pm)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED
Electrical Calibration of Thermocouples & RTD with Indicators – Generate & Measure Type S ^{FO}	200 °C to 1 200 °C	0.50 °C	Additel 221A Multifunction Calibrator HP 3457A DMM	EURAMET Calibration Guide No. 11/v.01
Electrical Calibration of Thermocouples & RTD with Indicators – Generate & Measure Type J ^{FO}	-50 °C to 800 °C	0.30 °C	Isotherm Metal Dewar Jars	
Electrical Calibration of Thermocouples & RTD with Indicators – Generate & Measure Type T ^{FO}	-200 °C to 400 °C	0.30 °C		
Electrical Calibration of Thermocouples & RTD with Indicators – Generate & Measure Type K ^{FO}	-200 °C to 1 200 °C	0.30 °C		
Electrical Calibration of Thermocouples & RTD with Indicators – Generate & Measure Type N ^{FO}	-50 °C to 1 200 °C	0.30 °C		
Electrical Calibration of Thermocouples & RTD with Indicators – Generate & Measure RTD ^{FO}	-200 °C to 600 °C	0.06 °C		



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Accreditation is granted to the facility to perform the following calibrations:

Thermodynamic

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (\pm)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED
Temperature – Measure Thermocouple, RTD and Digital Thermometers Type S ^{FO}	200 °C to 400 °C	0.50 °C	HP 3457A DMM Isotherm Metal Dewar Jars Carbolite Furnace TZF	ASTM E220 ASTM E2846 ASTM E2877 ASTM E644 EURAMET Calibration Guide No. 8 /v.01
	400 °C to 1 200 °C	1.8 °C		
Temperature – Measure Thermocouple, RTD and Digital Thermometers Type J ^{FO}	-40 °C to 200 °C	0.25 °C	METROLOGIE RTD PT 100 THERMOCOUPLE TERMICS HETO CB216	
	200 °C to 400 °C	0.40 °C		
	400 °C to 760 °C	2.0 °C		
Temperature – Measure Thermocouple, RTD and Digital Thermometers Type T ^{FO}	-40 °C to 200 °C	0.25 °C	HART SCIENTIFIC 6020 GIUSSANI PULSAR	
	200 °C to 400 °C	0.40 °C		
Temperature – Measure Thermocouple, RTD and Digital Thermometers Type K ^{FO}	-40 °C to 200 °C	0.25 °C		
	200 °C to 400 °C	0.40 °C		
	400 °C to 1 200 °C	2.0 °C		
Temperature – Measure Thermocouple, RTD and Digital Thermometers Type N ^{FO}	-40 °C to 200 °C	0.25 °C		
	200 °C to 400 °C	0.40 °C		
	400 °C to 1 200 °C	2.0 °C		
Temperature – Measure Thermocouple, RTD and Digital Thermometers RTD ^{FO}	-40 °C to 200 °C	0.10 °C		
	200 °C to 400 °C	0.25 °C		

1. The CMC (Calibration and Measurement Capability) stated for calibrations included on this scope of accreditation represents the smallest measurement uncertainty attainable by the laboratory when performing a more or less routine calibration of a nearly ideal device under nearly ideal conditions. It is typically expressed at a confidence level of 95 % using a coverage factor k (usually equal to 2). The actual measurement uncertainty associated with a specific calibration performed by the laboratory will typically be larger than the CMC for the same calibration since capability and performance of the device being calibrated and the conditions related to the calibration may reasonably be expected to deviate from ideal to some degree.
2. The presence of a superscript F means that the laboratory performs calibration of the indicated parameter at its fixed location.
3. The presence of a superscript O means that the laboratory performs calibration of the indicated parameter onsite at customer locations.



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Accreditation is granted to the facility to perform the following calibrations:

4. Measurement uncertainties obtained for calibrations performed at customer sites it expected to be larger than the measurement uncertainties obtained at the laboratories fixed location for similar calibrations. This is due to the effects of resolution of UUT, transportation of the standards equipment and upon environmental conditions at the customer site which are typically not controlled as closely as at the laboratories fixed location.

