



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

AeroTools Connection, LLC
12625 Southwest 134th Court, Suite 208, Miami, FL 33186

(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, Mass, Force & Weighing Devices, Mechanical, and Time and Frequency 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

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

Initial Accreditation Date:

September 24, 2024

Issue Date:

September 24, 2024

Expiration Date:

January 31, 2027

Accreditation No.:

126557

Certificate No.:

L24-725

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

AeroTools Connection, LLC

12625 Southwest 134th Court, Suite 208, Miami, FL 33186

Contact Name: Elizabeth Serrania Phone: 305-720-1644

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

Mass, Force & Weighing Devices

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
Lifting Devices & Force Gauges ^F	1 200 lbf to 5 999 lbf.	40 lbf.	Force Gauge	ATC-CAL-WI-01
	6 000 lbf to 15 000 lbf.	110 lbf.		ATC-CAL-WI-05

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
Equipment to Measure Pressure ^F	5 psi to 249 psi	0.086 % of reading + 0.086 psi	Dead Weight Tester	ATC-CAL-WI-02
	250 psi to 499 psi	0.11 % of reading + 0.02 psi		
	500 psi to 999 psi	0.12 % of reading - 0.04 psi		
	1 000 psi to 5 000 psi	0.12 % of reading + 0.05 psi		

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
Equipment to Output Capacitance ^F	5 nF to 1 000 nF	1.23 % of reading + 3.7 nF	DMM 3.5 Digit (Fluke 77 IV)	ATC-CAL-WI-03
	1 μ F to 10 μ F	1.32 % of reading + 0.28 μ F		
	11 μ F to 100 μ F	1.46 % of reading + 0.48 μ F		
	101 μ F to 9 999 μ F	1.33 % of reading + 2.7 μ F		
Equipment to Measure AC Voltage (45 Hz to 1kHz) ^F	0.6 V to 6 V	2.3 % of reading + 0.0022 V		
	6.01 V to 60 V	2.3 % of reading + 0.022 V		
	60.01 V to 600 V	2.3 % of reading + 0.22 V		
	600.1 V to 1 000 V	2.25 % of reading + 2.5 V		
Equipment to Measure DC Voltage ^F	6 mV to 600 mV	0.34 % of reading + 0.19 V		
	0.6 V to 6 V	0.33 % of reading + 0.002 V		
	6.001 V to 60 V	0.33 % of reading + 0.022 V		
	60.01 V to 600 V	0.34 % of reading + 0.23 V		
	600.1 V to 1 000 V	0.4 % of reading + 1.1 V		



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Electrical

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Equipment to Measure Resistance (Two Wire) ^F	2 Ω to 600 Ω	0.56 % of reading + 0.37 Ω	DMM 3.5 Digit (Fluke 77 IV)	ATC-CAL-WI-03
	0.6 k Ω to 6 k Ω	0.57 % of reading + 0.001 6 K ω		
	6.001 k Ω to 60 k Ω	0.58 % of reading + 0.014 k Ω		
	60.01 k Ω to 600 k Ω	0.59 % of reading + 0.13 k Ω		
	0.001 m Ω to 6 m Ω	0.56 % of reading + 0.002 3 M Ω		
	6.01 m Ω to 50 m Ω	2.4 % of reading + 0.006 8 M Ω		
Equipment to Measure Current DC ^F	3 mA to 60 mA	1.79 % of reading + 0.027 mA		
	60.1 mA to 400 mA	1.74 % of reading + 0.26 mA		
	0.401 A to 6 A	1.8 % of reading + 0.002 2 A		
	6.001 A to 10 A	1.75 % of reading + 0.002 5 A		
Equipment to Measure Current AC (45 Hz to 1 kHz) ^F	1 mA to 60 mA	2.96 % of reading + 0.025 4 mA		
	60.1 mA to 400 mA	2.94 % of reading + 0.236 mA		
	0.401 A to 6 A	2.96 % of reading + 0.002 A		
	6.001 A to 10 A	2.83 % of reading + 0.027 A		

Time and Frequency

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
Frequency Measurement ^F	2 Hz to 99.99 Hz	0.079 % of reading + 0.061 Hz	DMM 3.5 Digit (Fluke 77IV)	ATC-CAL-WI-04
	100 Hz to 999.9 Hz	0.124 % of reading + 0.156 Hz		
	1 kHz to 9.999 kHz	0.122 % of reading + 0.002 kHz		
	10 kHz to 99.99 kHz	0.113 % of reading + 0.017 kHz		

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 laboratories range of calibration capability for all disciplines for which they are accredited is the interval from the smallest calibrated standard to the largest calibrated standard used in performing the calibration. The low end of this range must be an attainable value for which the laboratory has or has access to the standard referenced. Verification of an indicated value of zero in the absence of a standard is common practice in the procedure for many calibrations but by its definition it does not constitute calibration of zero capacity.



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

3. The presence of a superscript F means that the laboratory performs calibration of the indicated parameter at its fixed location.
4. Measurement uncertainties obtained for calibrations performed at customer sites can be expected to be larger than the measurement uncertainties obtained at the laboratories fixed location for similar calibrations. This is due to the effects of transportation of the standards and equipment and upon environmental conditions at the customer site which are typically not controlled as closely as at the laboratories fixed location

