



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Wayac Scales & Calibration, Inc.
2899 Hilliard Rome Road, Hilliard, OH 43026-8973

*and hereby declares that the Organization is accredited in accordance with
the recognized International Standard:*

ISO/IEC 17025:2017

Whereby, technical competence has been confirmed for the associated scope supplement, in the fields of:

***Dimensional, Electrical, Mechanical, Mass, Force, Weighing, Time &
Frequency, Thermodynamic, and Calibration***
(As detailed in the supplement)

Accreditation claims for conformity assessment activities shall only be made from the addresses referenced within this certificate and shall apply solely to those activities identified in the related scope. This Accreditation is granted subject to the Accreditation Body rules governing the Accreditation referred to above, and the Organization hereby commits to observing and complying with those rules in their entirety.

For PJLA:

Tracy Szerszen
President

Initial Accreditation Date:

April 08, 2003

Issue Date:

July 30, 2025

Expiration Date:

September 30, 2027

Accreditation No.:

59301

Certificate No.:

L25-581

*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.pjlabs.com*

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



Certificate of Accreditation: Supplement

Wayac Scales & Calibration, Inc.

2899 Hilliard Rome Road, Hilliard, OH 43026-8973

Contact Name: Tim Jarrell Phone: 614-529-4556

Accreditation is granted to the facility to perform the following conformity assessment activities:

FIELD OF CALIBRATION	MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	EXPANDED MEASUREMENT UNCERTAINTY (\pm) ¹	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	FLEX CODE	LOCATION OF ACTIVITY
Mass, Force, and Weighing Devices	Analytical Balances	100 mg to 220 g	(0.13 + .015Wt) mg	Class 1 Weights	CP-022	F1, F3	F, O
Mass, Force, and Weighing Devices	Top Load Balances	220 g to 32 kg	(13.2 + 0.17Wt) mg	Class F Weights	CP-022	F1, F3	F, O
Mass, Force, and Weighing Devices	Bench Scales	0.5 lb to 600 lb	(0.0013 + 0.000 2Wt) lb	Class F Weights	CP-047	F1, F3	F, O
Mass, Force, and Weighing Devices	Floor Scales	500 lb to 10 000 lb	(0.76 + 0.001 9Wt) lb	Class F Weights	CP-047	F1, F3	F, O
Mass, Force, and Weighing Devices	Tank / Hopper Scales	10 000 lb to 40 000 lb	(0.8 + 0.000 6Wt) lb	Class F Weights	CP-047	F1, F3	O
Mass, Force, and Weighing Devices	Truck Scales	40 000 lb to 200 000 lb	(0.013 + 0.000 72Wt) lb	Class F Weights	CP-047	F1, F3	O
Mass, Force, and Weighing Devices	Force Gage (Tension & Compression)	0.5 lb to 1 000 lb	0.28 % of applied load	Indicator with NTEP Approved Load Cells / Dead Weights	CP-049	F1, F3	F, O
Mass, Force, and Weighing Devices	Force Gage (Tension & Compression)	50 lb to 10 000 lb	0.13 % of applied load	Indicator with NTEP Approved Load Cells / Dead Weights	CP-049	F1, F3	F, O
Mass, Force, and Weighing Devices	Durometers (Indentor Spring Force Types A, B, C, D, DO, O, OO)	Up to 4.53 kg	0.27 g	Top Load Balance	CP-051	F1, F3	F, O
Mechanical	Indirect Verification of Rockwell Hardness Testers HRB	15 HRB to 31 HRB	1 HRB	Certified Rockwell Test Blocks	CP-020	F1, F3	F, O
Mechanical	Indirect Verification of Rockwell Hardness Testers HRB	31 HRB to 71 HRB	1 HRB	Certified Rockwell Test Blocks	CP-020	F1, F3	F, O



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Mechanical	Indirect Verification of Rockwell Hardness Testers HRB	71 HRB to 100 HRB	1 HRB	Certified Rockwell Test Blocks	CP-020	F1, F3	F, O
Mechanical	Indirect Verification of Rockwell Hardness Testers HRC	20 HRC to 40 HRC	1.5 HRC	Certified Rockwell Test Blocks	CP-020	F1, F3	F, O
Mechanical	Indirect Verification of Rockwell Hardness Testers HRC	40 HRC to 60 HRC	1 HRC	Certified Rockwell Test Blocks	CP-020	F1, F3	F, O
Mechanical	Indirect Verification of Rockwell Hardness Testers HRC	60 HRC to 70 HRC	1 HRC	Certified Rockwell Test Blocks	CP-020	F1, F3	F, O
Mechanical	Electronic or Dial Pressure Gages, Commercial Grade, Medium Grade and Test Grade Transducers Stated values are gage pressure	0.45 psi to 300 psi	0.036 psi	Druck PM620-300	CP-038-1 CP-038-2	F1, F3	F, O
Mechanical	Electronic or Dial Pressure Gages, Commercial Grade, Medium Grade and Test Grade Transducers Stated values are gage pressure	301 psi to 3 000 psi	1.4 psi	Druck PM620-3000	CP-038-1 CP-038-2	F1, F3	F, O
Mechanical	Electronic or Dial Pressure Gages, Commercial Grade, Medium Grade and Test Grade Transducers Stated values are gage pressure	3 001 to 10 000 psi	3.9 psi	Druck PM620-10000	CP-038-1 CP-038-2	F1, F3	F, O
Mechanical	Magnahelics and Photohelics Gages	0.13 in H ₂ O to 1 in H ₂ O	0.066 in H ₂ O	Manometers	CP-038-4	F1, F3	F, O



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Mechanical	Magnahelics and Photohelics Gages	0.135 in H ₂ O to 4 in H ₂ O	0.082 in H ₂ O	Manometers	CP-038-4	F1, F3	F, O
Mechanical	Vacuum Gauge	-27 inHg to 0 inHg	0.073 inHg	Druck PM620-300	CP-038-1 CP-038-2	F1, F3	F, O
Mechanical	Torque Wrenches, Torque Drivers	40 ozf•in to 400 ozf•in	3.2 ozf•in	Torque Standards	CP-031	F1, F3	F, O
Mechanical	Torque Wrenches, Torque Drivers	5 lbf•in to 50 lbf•in	1.0 lbf•in	Torque Standards	CP-031	F1, F3	F, O
Mechanical	Torque Wrenches, Torque Drivers	25 lbf•in to 250 lbf•in	0.9 lbf•in	Torque Standards	CP-031	F1, F3	F, O
Mechanical	Torque Wrenches, Torque Drivers	100 lbf•in to 1 000 lbf•in	6.3 lbf•in	Torque Standards	CP-031	F1, F3	F, O
Mechanical	Torque Wrenches, Torque Drivers	720 lbf•in to 7 200 lbf•in	49.2 lbf•in	Torque Standards	CP-031	F1, F3	F, O
Dimensional	Durometers (Direct Verification of Indentor Extension Types A, B, C, D, DO, O, OO)	0.096 in to 0.1 in	8 μ in	Gage Blocks	CP-051	F1, F3	F, O
Dimensional	Calipers	0.05 in to 36 in	(117 + 27L) μ in	Gage Blocks Length Standards Ring Gage	CP-004	F1, F3	F, O
Dimensional	Height Gages	0.05 in to 36 in	(239 + 23L) μ in	Gage Blocks Length Standards	CP-013	F1, F3	F, O
Dimensional	Outside Micrometers	0.05 in to 36 in	(50 + 25L) μ in	Gage Blocks Length Standards	CP-016	F1, F3	F, O
Dimensional	Depth Micrometers	0.05 in to 12 in	(53 + 18 L) μ in	Gage Blocks Length Standards	CP-016	F1, F3	F, O
Dimensional	Inside Micrometers	0.05 in to 12 in	(64 + 6L) μ in	Gage Blocks Length Standards	CP-016	F1, F3	F, O



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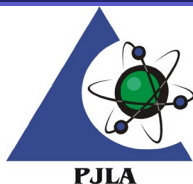
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Dimensional	Indicators	Up to 2 in	(62 +3L) μ in	Indicator Calibrator Gage Blocks	CP-007	F1, F3	F, O
Dimensional	Test Indicators	Up to 0.2 in	(49 + 160L) μ in	Indicator Calibrator Gage Blocks	CP-007	F1, F3	F, O
Dimensional	Pin Gages	0.011 in to 1 in	33 μ in	Super-Micrometer with Grade 1 Gage Blocks	CP-001	F1, F3	F
Dimensional	Smooth Plug Gages	0.011 in to 5 in	33 μ in	Super-Micrometer with Grade 1 Gage Blocks	CP-001	F1, F3	F
Dimensional	Thread Plug Gages (Pitch Diameter)	0-80 in to 5-5 in	51 μ in	Super-Micrometer with Thread Wires	CP-001	F1, F3	F
Dimensional	Smooth Ring Gages	0.012 5 in to 3 in	77 μ in	Super-Micrometer with Grade 1 Gage Blocks	CP-001	F1, F3	F
Dimensional	Rules & Tapes (Error of Indication)	Up to 360 in	0.018 in	Master Ruler Gage Blocks	CP-046	F1, F3	F, O
Dimensional	Surface Plates (Repeat Reading)	Up to 0.02 in	51 μ in	Repeat-O-Meter	CP-025	F1, F3	F, O
Dimensional	Surface Plates (Flatness)	Up to 68 in DL	32 μ in	Planekator Grade AA 24"	CP-025	F1, F3	F, O
Dimensional	Protractors	Up to 90°	0.37°	Gage Blocks, Surface Plate, Sine Bar and Precision Square	CP-045	F1, F3	F, O
Dimensional	Radius Gages	Up to 1 in	(0.002 +0.001 L) in	Optical Comparator Radius Overlays	NAVAIR 17- 20MD-43	F1, F2	F
Electrical	Equipment to Source DC Voltage	0.2 V to 2.00 V	0.003 % of reading + 56 μ V	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Source DC Voltage	2.1 V to 20.0 V	0.002 5 % of reading + 1 300 μ V	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Source DC Voltage	21 V to 200 V	0.003 % of reading + 3 800 μ V	Transmille 3041A	CP-030	F1, F3	F, O



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Electrical	Equipment to Source DC Voltage	201 V to 1 000 V	0.003 % of reading + 23 000 μ V	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 10 Hz to 44 Hz)	20 mV to 202 mV	0.2 % of reading + 93 μ V	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 45 Hz to 999 Hz)	20 mV to 202 mV	0.04 % of reading + 62 μ V	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 1 kHz to 19.999 kHz)	20 mV to 202 mV	0.09 % of reading + 43 μ V	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 20 kHz to 99.999 kHz)	20 mV to 202 mV	0.3 % of reading + 43 μ V	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 100 kHz to 500 kHz)	20 mV to 202 mV	0.8 % of reading + 1 300 μ V	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 10 Hz to 44Hz)	0.2 V to 2.02 V	0.2 % of reading + 680 μ V	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 45 Hz to 999 Hz)	0.2 V to 2.02 V	0.04 % of reading + 550 μ V	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 1 kHz to 19.999 kHz)	0.2 V to 2.02 V	0.09 % of reading + 590 μ V	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 20 kHz to 99.999 kHz)	0.2 V to 2.02 V	0.25 % of reading + 810 μ V	Transmille 3041A	CP-030	F1, F3	F, O



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Electrical	Equipment to Output AC Voltage (@ 100 kHz to 500 kHz)	0.2 V to 2.02 V	0.45 % of reading + 9 mV	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 10 Hz to 44 Hz)	2 V to 20.2 V	0.2 % of reading + 2.2 mV	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 45 Hz to 999 Hz)	2 V to 20.2 V	0.035 % of reading + 5.4 mV	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 1 kHz to 19.999 kHz)	2 V to 20.2 V	0.07 % of reading + 8.1 mV	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 20 kHz to 100 kHz)	2 V to 20.2 V	0.22 % of reading + 25 mV	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 30 Hz to 44 Hz)	20 V to 202 V	0.06 % of reading + 91 mV	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 45 Hz to 999 Hz)	20 V to 202 V	0.04 % of reading + 59 mV	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 1 kHz to 20 kHz)	20 V to 202 V	0.09 % of reading + 0.15 V	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 30 Hz to 45 Hz)	200 V to 1 020 V	0.06 % of reading + 0.1 V	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 45 Hz to 999 Hz)	200 V to 1020 V	0.04 % of reading + 94 mV	Transmille 3041A	CP-030	F1, F3	F, O



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Electrical	Equipment to Output AC Voltage (@ 1 kHz to 10 kHz)	200 V to 1 020 V	0.15 % of reading + 0.260 V	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output DC Current	20 μ A to 202 μ A	0.01 % of reading + 58 nA	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output DC Current	0.2 mA to 2.02 mA	0.008 % of reading + 73 μ A	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output DC Current	2 mA to 20.2 mA	0.005 % of reading + 0.14 mA	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output DC Current	20 mA to 202 mA	0.008 % of reading + 1 490 μ A	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output DC Current	0.2 A to 2.02 A	0.015 % of reading + 670 μ A	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output DC Current	2 A to 30 A	0.04 % of reading + 4 600 μ A	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output DC Current	19 A to 1 500 A	1 % of reading	Transmille 3041A w / Coil	CP-030	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 10 Hz to 44 Hz)	20 μ A to 202 μ A	0.2 % of reading + 240 nA	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 45 Hz to 999 Hz)	20 μ A to 202 μ A	0.07 % of reading + 250 nA	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 1 kHz to 10 kHz)	20 μ A to 202 μ A	0.8 % of reading + 770 nA	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 10 Hz to 44 Hz)	0.2 mA to 2.02 mA	0.2 % of reading + 2.1 μ A	Transmille 3041A	CP-030	F1, F3	F, O



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Electrical	Equipment to Output AC Current (@ 45 Hz to 999 Hz)	0.2 mA to 2.02 mA	0.06 % of reading + 2 μ A	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 1 kHz to 10 kHz)	0.2 mA to 2.02 mA	0.7 % of reading + 5 μ A	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 10 Hz to 44 Hz)	2 mA to 20.2 mA	0.2 % of reading + 8.3 μ A	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 45 Hz to 999 Hz)	2 mA to 20.2 mA	0.06 % of reading + 7.1 μ A	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 1 kHz to 10 kHz)	2 mA to 20.2 mA	0.5 % of reading + 25 μ A	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 10 Hz to 44 Hz)	20 mA to 202 mA	0.2 % of reading + 83 μ A	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 45 Hz to 999 Hz)	20 mA to 202 mA	0.06 % of reading + 150 μ A	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 1 kHz to 5 kHz)	20 mA to 202 mA	0.6 % of reading + 160 μ A	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 30 Hz to 44Hz)	2 A to 30 A	0.2 % of reading + 18 000 μ A	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 45 Hz to 99 Hz)	2 A to 30 A	0.09 % of reading + 35 000 μ A	Transmille 3041A	CP-030	F1, F3	F, O



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Electrical	Equipment to Output AC Current (@ 100 Hz to 5 kHz)	2 A to 30 A	0.3 % of reading + 38 000 μ A	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 45 Hz to 65 Hz)	19 A to 1 500 A	1 % of reading	Transmille 3041A w/Coil	CP-030	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 65 Hz to 440 Hz)	19 A to 1 500 A	1 % of reading	Transmille 3041A w/Coil	CP-030	F1, F3	F, O
Electrical	Equipment to Output Resistance	Up to 100 Ω	0.005 % of reading + 0.097 Ω	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output Resistance	100 Ω to 1 k Ω	0.004 % of reading + 0.23 Ω	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output Resistance	1 k Ω to 10 k Ω	0.004 % of reading + 1.2 Ω	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output Resistance	10 k Ω to 100 k Ω	0.004 % of reading + 6.2 Ω	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output Resistance	100 k Ω to 1 M Ω	0.01 % of reading + 110 Ω	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output Resistance	1 M Ω to 10 M Ω	0.035 % of reading + 2 300 Ω	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Output Resistance	10 M Ω to 100 M Ω	0.5 % of reading + 290 0 Ω	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Measure DC Voltage	100 mV to 1 000 V	1.1 mV/V + 40 μ V	HP 34401A	CP-030	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 5 Hz to 10 Hz)	10 mV to 100 mV	26 μ V/V + 110 μ V	HP 34401A	CP-030	F1, F3	F, O



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Electrical	Equipment to Measure AC Voltage (@ 10 Hz to 20 kHz)	10 mV to 100 mV	7.8 μ V/V + 200 μ V	HP 34401A	CP-030	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 20 kHz to 50 kHz)	10 mV to 100 mV	14 μ V/V + 130 μ V	HP 34401A	CP-030	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 50 kHz to 100 kHz)	10 mV to 100 mV	26 μ V/V + 1.3 mV	HP 34401A	CP-030	F1, F3	μ F, O
Electrical	Equipment to Measure AC Voltage (@ 100 kHz to 300 kHz)	10 mV to 100 mV	65 μ V/V + 210 μ V	HP 34401A	CP-030	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 10 Hz)	100 mV to 1 V	47 mV/V + 2.2 mV	HP 34401A	CP-030	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 20 kHz)	100 mV to 1 V	18 mV/V + 1.1 mV	HP 34401A	CP-030	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 50 kHz)	100 mV to 1 V	20 mV/V	HP 34401A	CP-030	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 100 kHz)	100 mV to 1 V	2 mV/V + 100 μ V	HP 34401A	CP-030	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 1 kHz)	1 V to 750 V	1.3 mV/V + 300 μ V	HP 34401A	CP-030	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 10 kHz)	1 V to 750 V	1.6 mV/V + 1.3 mV	HP 34401A	CP-030	F1, F3	F, O



Certificate of Accreditation: Supplement

Wayac Scales & Calibration, Inc.

2899 Hilliard Rome Road, Hilliard, OH 43026-8973

Contact Name: Tim Jarrell Phone: 614-529-4556

Accreditation is granted to the facility to perform the following conformity assessment activities:

FIELD OF CALIBRATION	MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	EXPANDED MEASUREMENT UNCERTAINTY (\pm) ¹	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	FLEX CODE	LOCATION OF ACTIVITY
Electrical	Equipment to Measure DC Current	Up to 10 mA	5.7 % of reading	HP 34401A	CP-030	F1, F3	F, O
Electrical	Equipment to Measure DC Current	10 mA to 100 mA	6.9 μ A/A +12 μ A	HP 34401A	CP-030	F1, F3	F, O
Electrical	Equipment to Measure DC Current	100 mA to 1 A	11 mA/A + 400 μ A	HP 34401A	CP-030	F1, F3	F, O
Electrical	Equipment to Measure DC Current	1 A to 3 A	1 mA /A + 10 mA	HP 34401A	CP-030	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 10 Hz)	Up to 1 A	2.8 % of reading	HP 34401A	CP-030	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 5 kHz)	Up to 1 A	0.99 % of reading	HP 34401A	CP-030	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 10 Hz)	1 A to 3 A	14 mA/A + 13 mA	HP 34401A	CP-030	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 1 kHz)	1 A to 3 A	0.2 mA/A + .7mA	HP 34401A	CP-030	F1, F3	F, O
Electrical	Equipment to Measure Resistance	Up to 100 Ω	0.002 5 % of reading	HP 34401A	CP-030	F1, F3	F, O
Electrical	Equipment to Measure Resistance	100 Ω to 1 k Ω	0.00 021 % of reading + 0.002 7 Ω	HP 34401A	CP-030	F1, F3	F, O
Electrical	Equipment to Measure Resistance	1 k Ω to 10 k Ω	0.13 % of reading + 0.001 3 k Ω	HP 34401A	CP-030	F1, F3	F, O
Electrical	Equipment to Measure Resistance	10 k Ω to 100 k Ω	0.001 5 % of reading +0.000 13 k Ω	HP 34401A	CP-030	F1, F3	F, O
Electrical	Equipment to Measure Resistance	100 k Ω to 1 M Ω	0.000 18 % of reading + 0.000 02 k Ω	HP 34401A	CP-030	F1, F3	F, O



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Electrical	Equipment to Measure Resistance	1 M Ω to 10 M Ω	0.003 1 % of reading + 0.000 014 M Ω	HP 34401A	CP-030	F1, F3	F, O
Electrical	Oscilloscope (Band Width Vertical Calibration)	0.2 V to 2.00 V	0.003 % of reading + 56 μ V	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Oscilloscope (Band Width Vertical Calibration)	2.1 V to 20.0 V	0.002 5 % of reading + 1 300 μ V	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Oscilloscope (Band Width Vertical Calibration)	21 V to 200 V	0.003 % of reading + 3 800 μ V	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Oscilloscope (Band Width Vertical Calibration)	201 V to 1 000 V	0.003 % of reading + 23 000 μ V	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type J	-210 °C to 0 °C	0.11 °C	Transmille EA001A	CP-030	F1, F3	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type J	0 °C to 400 °C	0.11 °C	Transmille EA001A	CP-030	F1, F3	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type J	400 °C to 1 200 °C	0.39 °C	Transmille EA001A	CP-030	F1, F3	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type K	-200 °C to -100 °C	0.07 °C	Transmille EA001A	CP-030	F1, F3	F, O



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Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type K	-100 °C to 0 °C	0.08 °C	Transmille EA001A	CP-030	F1, F3	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type K	0 °C to 120 °C	0.064 °C	Transmille EA001A	CP-030	F1, F3	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type K	120 °C to 500 °C	0.096 °C	Transmille EA001A	CP-030	F1, F3	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type K	500 °C to 1 000 °C	0.24 °C	Transmille EA001A	CP-030	F1, F3	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type K	1 000 °C to 1 372 °C	0.16 °C	Transmille EA001A	CP-030	F1, F3	F, O
Electrical	Equipment to Source Capacitance	1 nF	0.25 % of reading + 0.0 068 nF	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Source Capacitance	10 nF	0.25 % of reading + 0.0 068 nF	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Source Capacitance	20 nF	0.25 % of reading + 0.031 nF	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Source Capacitance	50 nF	0.25 % of reading + 0.12 nF	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Source Capacitance	100 nF	0.25 % of reading + 0.24 nF	Transmille 3041A	CP-030	F1, F3	F, O



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Electrical	Equipment to Source Capacitance	1 μ F	0.4 % of reading + 0.001 3 μ F	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Source Capacitance	10 μ F	0.6 % of reading + 0.049 μ F	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Source Capacitance	100 μ F	0.6 % of reading + 0.84 μ F	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Source Capacitance	1 mF	1 % of reading + 0.019 mF	Transmille 3041A	CP-030	F1, F3	F, O
Electrical	Equipment to Source Capacitance	10 mF	1 % of reading + 0.18 mF	Transmille 3041A	CP-030	F1, F3	F, O
Time and Frequency	Equipment to Output Frequency	100 Hz	0.002 % of reading + 1.6 mHz	Transmille 3041A	CP-030	F1, F3	F, O
Time and Frequency	Equipment to Output Frequency	1 kHz	0.002 % of reading + 3 mHz	Transmille 3041A	CP-030	F1, F3	F, O
Time and Frequency	Equipment to Output Frequency	10 kHz	0.002 % of reading + 32 mHz	Transmille 3041A	CP-030	F1, F3	F, O
Time and Frequency	Equipment to Output Frequency	20 kHz	0.002 % of reading + 62 mHz	Transmille 3041A	CP-030	F1, F3	F, O
Time and Frequency	Equipment to Output Frequency	50 kHz	0.002 % of reading + 160 mHz	Transmille 3041A	CP-030	F1, F3	F, O
Time and Frequency	Equipment to Output Frequency	100 kHz	0.002 % of reading + 300 mHz	Transmille 3041A	CP-030	F1, F3	F, O
Time and Frequency	Equipment to Output Frequency	1 MHz	0.002 % of reading + 3 000 mHz	Transmille 3041A	CP-030	F1, F3	F, O
Time and Frequency	Equipment to Output Frequency	10 MHz	0.002 % of reading + 36 000 mHz	Transmille 3041A	CP-030	F1, F3	F, O
Time and Frequency	Oscilloscope (Flatness) (Relative to 50 kHz signal)	250 kHz to 100 MHz	1 % of reading	Tektronix SG 503	CP-030	F1, F3	F, O
Time and Frequency	Oscilloscope (Flatness) (Relative to 50 kHz signal)	100 MHz to 250 MHz	3 % of reading	Tektronix SG 503	CP-030	F1, F3	F, O



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Time and Frequency	Oscilloscope (Time Marks Horizontal Calibration)	5 s to 1 ns	(1 x 10 ⁻⁷) s	Tektronix TG 501	CP-030	F1, F3	F, O
Thermodynamic	Thermometers	-80 °C to 400 °C	0.31 °C	AccuMac AM8040 with AM1640-12 SPRT	CP-037-1	F1, F3	F, O
Thermodynamic	Digital Temperature Devices	-200 °C to 1 372 °C	0.18 °C	Fluke 714B	CP-037-2	F1, F3	F, O
Thermodynamic	Non-Contact Infrared Temperature Thermometers, Pyrometers	-6.6 °C to 400 °C	3.4 °C	BB703	CP-037-2	F1, F3	F, O
Thermodynamic	Psychrometer (Non-condensing)	15 % RH to 95 % RH	4.9 % RH	Psychro-Dyne Model:22010	CP-037-3	F1, F3	F, O
Thermodynamic	Humidity Meters (Humidity)	5 % RH and 95 % RH	2 % RH	Vaisala Salt Chamber	CP-037-3	F1, F3	F, O
Thermodynamic	Humidity Meters (Temperature)	20 °C	0.079 °C	SPRT with Salts Chamber	CP-037-3	F1, F3	F, O



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Accreditation is granted to the facility to perform the following conformity assessment activities:

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.
3. Location of activity:

Location Code	Location
F	Conformity assessment activity is performed at the CABs fixed facility
O	Conformity assessment activity is performed onsite at the CABs customer 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.
5. The term L represents length in inches or millimeters as appropriate to the uncertainty statement.
6. The term Wt represents weight in pounds or grams (including SI multiple and submultiple units) appropriate to the uncertainty statement.