PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Metrology & Consultant, S.A. de C.V.

Juárez Poniente No. 403, Centro Escobedo
Escobedo, Nuevo Leon, México. C.P. 66050

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, Acoustic, Mechanical, Time and Frequency, Electrical, Optical, Thermodynamic and Mass, Force and Weighing Devices Calibration 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

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

Initial Accreditation Date:	*Issue Date:*	*Expiration Date:*
September 01, 2010	September 19, 2025	December 31, 2027
Revision Date:	*Accreditation No.:*	*Certificate No.:*
March 04, 2026	67263	L25-706-R1

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

Certificate of Accreditation: Supplement

Metrology & Consultant, S.A. de C.V.

Juárez Poniente No. 403, Centro Escobedo
Escobedo, Nuevo Leon, México. C.P. 66050
Contact Name: Marcelo Castañon Phone: 811-094-0880

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 (±) [1]	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	FLEX CODE	LOCATION OF ACTIVITY
Dimensional	Outside Micrometers	0.1 mm to 508 mm	$(1.46 + 2.09 \times 10^{-3} L)$ µm	Master Block Starrett-Mitutoyo, Shars Grade 1	JIS B 7502 JIS B 7507	F1, F2	F, O
Dimensional	Calipers	0.1 mm to 1 524 mm	$(11.54 + 3.36 \times 10^{-4} L)$ µm	Master Block Starrett-Mitutoyo, Shars Grade 1	JIS B 7502 JIS B 7507	F1, F2	F, O
Dimensional	Calipers	208 mm to 2 540 mm	$(11.04 + 2.58 \times 10^{-4} L)$ µm	Master Block Mitutoyo grade 0	JIS B 7507	F1, F2	F, O
Dimensional	Dial Indicator	0.1 mm to 25.4 mm	$(1.8 + 3.4 \times 10^{-5} L)$ µm	Calibration Tester Mitutoyo UDT-2	JIS B 7503	F1, F2	F, O
Dimensional	Microscopes	0.1 mm to 1 mm	$(1.64 + 8.62 \times 10^{-4} L)$ µm	Scale Standard Mitutoyo Scale 1 mm	JIS B 7153	F1, F2	O
Dimensional	Microscopes	1 mm to 200 mm	$(2.57 + 1.65 \times 10^{-4} L)$ µm	Scale Standard Mitutoyo HL1-200	JIS B 7153	F1, F2	O
Dimensional	Tape Measure	5 mm to 5 000 mm	$(817.06 + 6.66 \times 10^{-4} L)$ µm	Rule Insize	JIS B 7512	F1, F2	F
Dimensional	Granite Surface Plates (Flatness)	300 mm to 3 600 mm (Diagonal)	0.23 µm	Level Electronics Mahr Federal	JIS B 7513	F1, F2	O
Dimensional	Optical Comparator (X Axis Linearity)	1 mm to 200 mm	4.7 µm	Glass Reticules Mitutoyo HL1-200 Block Standard	JIS B 7184	F1, F2	O
Dimensional	Optical Comparator (Y Axis Linearity)	1 mm to 200 mm	4.7 µm	Glass Reticules Mitutoyo HL1-200 Block Standard	JIS B 7184	F1, F2	O
Dimensional	Optical Comparator (Angularity)	0° to 90°	0.06 º	Glass Reticules Mitutoyo HL1-200 Block Standard	JIS B 7184	F1, F2	O

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Dimensional	Height Caliper	12.7 mm to 609.6 mm	$(11.49 + 4.27 \times 10^{-3}L)$ µm	Master Block Starrett-Mitutoyo, Shars Grade 1	JIS B 7517	F1, F2	F
Dimensional	Feeler Gauges	0.152 mm to 25.4 mm	$(2.26 + 1.6 \times 10^{-2}L)$ µm	Master Micrometer Mitutoyo 293-832-30	JIS B 7524	F1, F2	F, O
Dimensional	Metal Rules	0.1 mm to 2 000 mm	$(7.52 + 1.6 \times 10^{-2}L)$ µm	Rule Master Starrett Microscope WF10X HL1-200,	JIS B 7516	F1, F2	F, O
Dimensional	Ping Gages	0.152 mm to 25.4 mm	$(2.26 + 1.6 \times 10^{-2}L)$ µm	Master Micrometer Mitutoyo 293-832-30	ASME B 89.1.5-1998	F1, F2	F
Dimensional	Thread Plugs (Pitch Diameter)	0-40 to 4-12	5.3 µm	Wires with Micrometer Mitutoyo 293-832-10	NF E11-018-2003	F1, F2	F
Dimensional	Radius Gage	0.75 mm to 12.7 mm	14 µm	Optical Comparator Mitutoyo	PH-14LS	F1, F2	F
Dimensional	Angle Gages	0º to 90º	0.1º	Optical Comparator Mitutoyo	PH-14LS	F1, F2	F
Dimensional	Profilometer (Ra) (Fixed point)	2.95 µm	0.11 µm	Roughness Specimen Mitutoyo 178-602 ISO 5436-2	ISO 5436-2	F1, F2	F
Dimensional	Profilometer (Ry) (Fixed point)	9.3 µm	0.17 µm	Roughness Specimen Mitutoyo 178-602 ISO 5436-2	ISO 5436-2	F1, F2	F
Dimensional	Gage Block Grade 1 and 2	0.5 mm to 150 mm	$(3.56 \times 10^{-2} + 5.63 \times 10^{-4}L)$ µm	Gage Block Grade 0 Gage Block Comparator Metrology	ISO 3650	F1, F2	F, O

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Dimensional	Direct Verification of Durometer Hardness Tester (Types A, B, C, D, E, O, & DO)	2.46 mm to 2.54 mm	0.5 µm	Comparator	ASTM D-2240	F1, F2	F
Dimensional	Direct Verification of Durometer Hardness Tester (Types A, B, C, D, E, O, & DO) (Indentor Diameter)	2.46 mm to 2.54 mm	8.5 µm	Comparator	ASTM D-2240	F1, F2	F
Dimensional	Direct Verification of Durometer Hardness Tester (Types A, B, C, D, E, O, & DO) (Indentor Tip Diameter)	2.46 mm to 2.54 mm	8.5 µm	Comparator	ASTM D-2240	F1, F2	F
Dimensional	Direct Verification of Durometer Hardness Tester (Types A, B, C, D, E, O, & DO) (Indentor Tip Radius)	2.46 mm to 2.54 mm	8.5 µm	Comparator	ASTM D-2240	F1, F2	F

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Dimensional	Direct Verification of Durometer Hardness Tester (Types A, B, C, D, E, O, & DO) (Indentor Tip Angle)	10° to 40°	0.09°	Comparator	ASTM D-2240	F1, F2	F
Dimensional	Force Machines (Displacement)	0.1 mm to 50 mm	0.88 µm	Digital indicator	ASTM E2309	F1, F2	O
Acoustic	Sound Level Meter (Fixed Point)	94 dB	0.13 dB	Acoustic Calibrator	IEC 61672	F1, F2	F, O
Acoustic	Sound Level Meter (Fixed Point)	104 dB	0.13 dB	Acoustic Calibrator	IEC 61672	F1, F2	F, O
Acoustic	Sound Level Meter (Fixed Point)	114 dB	0.13 dB	Acoustic Calibrator	IEC 61672	F1, F2	F, O
Mechanical	Flow Meter	1.2 cc/min to 5 cc/min	0.045 cc/min	Flow meter Alicat M-5SCCM	ISO 9978	F1, F2	F, O
Mechanical	Flow Meter	99.99 mL/min to 500 mL/min	1 mL/min	AirLeak Simulator Cincinnati Model LS Lite 500	ISO 9978	F1, F2	F, O
Mechanical	Indirect Verification of Rockwell Hardness Testers HRB	40 HRB to 59 HRB	0.61 HRB	Hardness Tester Blocks	ISO 6508-2	F1, F2	O
Mechanical	Indirect Verification of Rockwell Hardness Testers HRB	60 HRB to 79 HRB	0.62 HRB	Hardness Tester Blocks	ISO 6508-2	F1, F2	O

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Mechanical	Indirect Verification of Rockwell Hardness Testers HRB	80 HRB to 100 HRB	0.49 HRB	Hardness Tester Blocks	ISO 6508-2	F1, F2	O
Mechanical	Indirect Verification of Rockwell Hardness Testers HRC	20 HRC to 39 HRC	0.52 HRC	Hardness Tester Blocks	ISO 6508-2	F1, F2	O
Mechanical	Indirect Verification of Rockwell Hardness Testers HRC	40 HRC to 59 HRC	0.45 HRC	Hardness Tester Blocks	ISO 6508-2	F1, F2	O
Mechanical	Indirect Verification of Rockwell Hardness Testers HRC	60 HRC to 70 HRC	0.34 HRC	Hardness Tester Blocks	ISO 6508-2	F1, F2	O
Mechanical	Indirect Verification of Brinell Hardness Testers HBW	194 HBW to 420 HBW	5 HBW	Hardness Tester Blocks	ISO 6506-2	F1, F2	O
Mechanical	Indirect Verification of Micro Hardness Tester Knoop	100 HK to 900 HK	20 HK	Hardness Tester Blocks	ISO 6507-2	F1, F2	O
Mechanical	Pressure Gages	-14 psi to 30 psi	0.02 psi	Transducer Fluke 700G05	OIML R101	F1, F2	F, O
Mechanical	Pressure Gages	-12 psi to 100 psi	0.02 psi	Transducer Fluke 2700G-BG700K	OIML R101	F1, F2	F, O
Mechanical	Pressure Gages	50 psi to 500 psi	0.04 psi	Transducers Fluke PV350 Keithley 2001	OIML R101	F1, F2	F, O
Mechanical	Pressure Gage	-12 psi to 1 000 psi	0.21 psi	Transducer Additel 680	OIML R101	F1, F2	F, O

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Mechanical	Pressure Gages	-14 psi to 3 000 psi	0.85 psi	Transducer 2700G-G20M	OIML R101	F1, F2	F, O
Mechanical	Pressure Gages	-14 psi to 10 000 psi	0.94 psi	Transducer 700RG431	OIML R101	F1, F2	F, O
Mechanical	Vacuum Gages	-24.43 inHg to -2.03 inHg	0.29 inHg	Transducer Fluke 2700G-BG700K	OIML R101	F1, F2	F, O
Mechanical	Vacuum Gages	-25.14 inHg to -2.526 inHg	0.28 inHg	Transducers Fluke PV350/ Escort 99	OIML R101	F1, F2	F, O
Mechanical	Vacuum Gages	-28.5 inHg to -2.036 inHg	0.29 inHg	Transducer Fluke700G05	OIML R 101	F1, F2	F, O
Mechanical	Torque Wrenches	1 lbf•in to 10 lbf•in	0.26 % of reading	Torque Transducer Mountz BMX10i	ISO 6789	F1, F2	F, O
Mechanical	Torque Wrenches	2.5 lbf•in to 25 lbf•in	0.33 % of reading	Torque Transducer Mountz BMX25i	ISO 6789	F1, F2	F, O
Mechanical	Torque Wrenches	25 lbf•in to 250 lbf•in	0.33 % of reading	Torque Transducer MOUNTZ RTSX250i	ISO 6789	F1, F2	F, O
Mechanical	Torque Wrenches	10 lbf•ft to 100 lbf•ft	0.43 % of reading	MOUNTZ BMX100F	ISO 6789	F1, F2	F, O
Mechanical	Torque Wrenches	100 lbf•ft to 1 000 lbf•ft	0.5 % of reading	MOUNTZ MX1000F	ISO 6789	F1, F2	F, O
Mechanical	Torque Transducer	1 lbf•in to 3 000 lbf•in	0.2 % of reading	Torque Arms and Weight F1, M2	DIN 51309	F1, F2	F
Mechanical	Anemometer	0.3 m/s to 20 m/s	0.68 % of reading	Master Anemometer Wind Tunnel Anemometer KANOMAX	IEC 61400-12-1 ASTM D 5096	F1, F2	F
Mechanical	Force Machines (Speed)	0.1 mm/s to 10 mm/s	8.2×10^{-4} mm/min	Digital Indicator and Stopwatch	ASTM E2658	F1, F2	O

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Time and Frequency	Equipment to Output rpm	6 rpm to 4 000 rpm	0.000 25 rpm/rpm + 0.001 rpm	No Contact, Tachometer	AMETEK 1726 AS432B	F1, F2	F, O
Time and Frequency	Equipment to Output rpm	6 rpm to 60 000 rpm	0.057 rpm	Fluke 5522	AS432B	F1, F2	F, O
Time and Frequency	Equipment to Output Time	Up to 3 600 s	0.57 s	Casio HS-70W Stopwatch 0.001 s	ITTC-7.6-02-07	F1, F2	F, O
Time and Frequency	Equipment to Output Frequency	10 Hz to 60 MHz	51 µHz/Hz + 100 µHz	Oscilloscope Tektronix TDS 1002B	ANSI C39.6	F1, F2	F, O
Time and Frequency	Equipment to Output Frequency	1 Hz to 1 MHz	0.03 % of reading	Keithley 2001	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure DC Voltage	Up to 100 mV	1.4×10^{-4} mV	Keithley 2001	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure DC Voltage	0.1 V to 1 V	2.7×10^{-6} V	Keithley 2001	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure DC Voltage	1 V to 10 V	2.7×10^{-5} V	Keithley 2001	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure DC Voltage	10 V to 100 V	6.7×10^{-5} V	Keithley 2001	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure DC Voltage	100 V to 1 000 V	1.7×10^{-3} V	Keithley 2001	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 50 Hz to 10 kHz)	1 mV to 100 mV	2.2×10^{-3} mV	Keithley 2001	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 50 Hz to 10 kHz)	0.1 V to 1 V	2×10^{-5} V	Keithley 2001	ANSI C39.6	F1, F2	F, O

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Electrical	Equipment to Measure AC Voltage (@ 50 Hz to 10 kHz)	1 V to 10 V	2×10^{-4} V	Keithley 2001	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 50 Hz to 10 kHz)	10 V to 100 V	5.6×10^{-3} V	Keithley 2001	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 10 kHz to 20 kHz)	100 V to 750 V	2.3×10^{-2} V	Keithley 2001	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Resistance	Up Ω to 100 Ω	8.4×10^{-5} Ω	Keithley 2001	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Resistance	100 Ω to 1 kΩ	8.1×10^{-7} kΩ	Keithley 2001	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Resistance	1 kΩ to 10 kΩ	4.6×10^{-6} kΩ	Keithley 2001	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Resistance	10 kΩ to 100 kΩ	1.2×10^{-5} kΩ	Keithley 2001	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Resistance	100 kΩ to 1 MΩ	1.2×10^{-6} MΩ	Keithley 2001	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Resistance	1 MΩ to 10 MΩ	5.8×10^{-6} MΩ	Keithley 2001	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Resistance	10 MΩ to 100 MΩ	5.8×10^{-6} MΩ	Keithley 2001	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure DC Current	Up to 20 mA	4.1×10^{-5} mA	Keithley 2001	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure DC Current	20 mA to 100 mA	1×10^{-3} mA	Keithley 2001	ANSI C39.6	F1, F2	F, O

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Electrical	Equipment to Measure DC Current	0.1 A to 1 A	4×10^{-4} A	Keithley 2001	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 50 Hz to 10 kHz)	2 mA to 20 mA	4×10^{-4} mA	Keithley 2001 HI POT Quadtech Sentry 10	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 50 Hz to 10 kHz)	20 mA to 200 mA	4×10^{-4} mA	Keithley 2001 HI POT Quadtech Sentry 10	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 50 Hz to 2 kHz)	0.2 A to 2 A	4×10^{-4} A	Keithley 2001 HI POT Quadtech Sentry 10	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC High Voltage (@ 50 Hz to 60 Hz)	150 V to 4 500 V	50 V	HI POT Quadtech Sentry 10, Fluke 177	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure DC Voltage	Up to 600 mV	540 µV/V + 200 µV	Fluke 177	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure DC Voltage	6 V to 60 V	54 mV/V + 20 mV	Fluke 177	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure DC Voltage	60 V to 600 V	540 mV/V + 200 mV	Fluke 177	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure DC Voltage	600 V to 1 000 V	3.5 V	Fluke 177	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 45 Hz to 500 Hz)	1 mV to 600 mV	6 mV/V + 300 µV	Fluke 177	ANSI C39.6	F1, F2	F, O

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Electrical	Equipment to Measure AC Voltage (@ 45 Hz to 500 Hz)	0.6 V to 6 V	60 mV/V + 3 mV	Fluke 177	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 45 Hz to 500 Hz)	6 V to 60 V	600 mV/V + 30 mV	Fluke 177	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 45 Hz to 500 Hz)	60 V to 600 V	6.3 V	Fluke 177	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 45 Hz to 500 Hz)	600 V to 1 000 V	13 V	Fluke 177	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Resistance	Up to 600 Ω	5.4 Ω/Ω + 200 mΩ	Fluke 177	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Resistance	600 Ω to 6 kΩ	55 Ω	Fluke 177	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Resistance	6 kΩ to 60 kΩ	550 Ω	Fluke 177	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Resistance	60 kΩ to 600 kΩ	5.5 kΩ	Fluke 177	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Resistance	600 kΩ to 6 MΩ	55 kΩ	Fluke 177	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Resistance	6 MΩ to 50 MΩ	480 kΩ	Fluke 177	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure DC Current	Up to 60 mA	5.9 µA/A	Fluke 177	ANSI C39.6	F1, F2	F, O

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Electrical	Equipment to Measure DC Current	60 mA to 400 mA	200 µA/A	Fluke 177	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure DC Current	0.4 A to 10 A	4.9 mA/A	Fluke 177	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	1 µF to 100 µF	1.2 µF/F + 200 µF	Fluke 177	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 45 Hz to 1 kHz)	1 mA to 60 mA	900 µA/A + 30 µA	Fluke 177	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 45 Hz to 1 kHz)	60 mA to 400 mA	6 mA/A + 300 µA	Fluke 177	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 45 Hz to 1 kHz)	0.4 A to 6 A	90 mA/A + 3 mA	Fluke 177	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 45 Hz to 1 kHz)	6 A to 10 A	150 mA/A + 30 mA	Fluke 177	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC High Current (Hall Effect Current Sensor Close Loop) (@ 10 Hz to 400 Hz)	Up to 600 A	2.3 A	Fluke 381	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output DC High Current (Hall Effect Current Sensor Close Loop)	Up to 600 A	2.3 A	Fluke 381	ANSI C39.6	F1, F2	F, O

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Electrical	Equipment to Measure AC High Voltage (@ 45 Hz to 1 kHz)	1 kV to 28 kV	5.8 % of reading	Fluke 177 + Fluke 80k-40	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure DC High Voltage	1 kV to 40 kV	2.3 % of reading	Fluke 177 + Fluke 80k-40	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Surge High Voltage (@ 0.1 µs to 1 ms)	500 V to 5 000 V	5.9 % of reading	Tektronix TDS 1 002 B + Fluke 80k-40	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure DC Surge High Voltage (@ 0.1 µs to 1 ms)	500 V to 5 000 V	2.7 % of reading	Tektronix TDS 1 002 B + Fluke 80k-40	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC High Current (@ 50 Hz to 1 kHz)	10 A to 100 A	190 mA/A	High Current Shunt + Fluke 177	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure DC High Current	10 A to 100 A	190 mA/A	High Current Shunt + Fluke 177	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure DC Power (@ PF=1)	0.11 mW to 9 W	0.04 % of reading	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Power (33 mV to 329.999 MV) (@ PF=1) (@ 45 Hz to 65 Hz)	0.3 mW to 33 W	0.03 % of reading	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O

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Electrical	Equipment to Measure AC Power 33 mV to 329.999 MV (@ PF=1) (@ 45 Hz to 65 Hz)	1.09 mW to 90 W	0.04 % of reading	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Power (33 mV to 329.999 MV) (@ PF=1) (@ 45 Hz to 65 Hz)	2.97 mW to 330 W	0.03 % of reading	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Power (33 mV to 329.999 MV) (@ PF=1) (@ 45 Hz to 65 Hz)	10.89 mW to 900 W	0.08 % of reading	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Power (33 mV to 329.999 MV) (@ PF=1) (@ 45 Hz to 65 Hz)	29.7 mW to 2 200 W	0.06 % of reading	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O

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Electrical	Equipment to Measure AC Power (33 mV to 329.999 MV) (@ PF=1) (@ 45 Hz to 65 Hz)	72.6 mW to 4 500 W	0.12 % of reading	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Power (33 mV to 329.999 MV) (@ PF=1) (@ 45 Hz to 65 Hz)	148.5 mW to 11 000 W	0.09 % of reading	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Power (33 mV to 329.999 MV) (@ PF=1)	0.11 mW to 0.003 W	0.4 % of reading	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Power (33 mV to 329.999 MV) (@ PF=1)	0.3 mW to 0.011 W	0.25 % of reading	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Power (33 mV to 329.999 MV) (@ PF=1)	1.1 mW to 0.03 W	0.35 % of reading	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O

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Electrical	Equipment to Measure AC Power (33 mV to 329.999 MV) (@ PF=1)	3 mW to 0.11 W	0.25 % of reading	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Power 33 mV to 329.999 MV (@ PF=1)	11 mW to 0.3 W	0.35 % of reading	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Power (33 mV to 329.999 MV) (@ PF=1)	30 mW to 0.73 W	0.4 % of reading	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Power 33 mV to 329.999 MV (@ PF=1)	73 mW to 1.5 W	0.25 % of reading	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Power (33 mV to 329.999 MV) (@ PF=1)	1.1 mW to 9 W	0.25 % of reading	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure (330 mV to 1 000 V) (@ PF=1) (@ 45 Hz to 65 Hz)	3 mW to 33 W	0.35 % of reading	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O

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Electrical	Equipment to Measure (330 mV to 1 000 V) (@ PF=1) (@ 45 Hz to 65 Hz)	0.011 W to 90 W	0.25 % of reading	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure (330 mV to 1 000 V) (@ PF=1) (@ 45 Hz to 65 Hz)	0.03 W to 330 W	0.35 % of reading	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure (330 mV to 1 000 V) (@ PF=1) (@ 45 Hz to 65 Hz)	0.11 W to 900 W	0.25 % of reading	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure (330 mV to 1 000 V) (@ PF=1) (@ 45 Hz to 65 Hz)	0.3 W to 2 200 W	0.25 % of reading	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure (330 mV to 1 000 V) (@ PF=1) (@ 45 Hz to 65 Hz)	0.73 W to 4 500 W	0.15 % of reading	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure (330 mV to 1 000 V) (@ PF=1) (@ 45 Hz to 65 Hz)	1.5 W to 11 000 W	0.25 % of reading	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O

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Electrical	Equipment to Measure (330 mV to 1 000 V) (@ PF=1) (@ 45 Hz to 65 Hz)	30 mW to 0.73 W	0.15 % of reading	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure (330 mV to 1 000 V) (@ PF=1) (@ 45 Hz to 65 Hz)	73 mW to 1.5 W	0.25 % of reading	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure (330 mV to 1 000 V) (@ PF=1) (@ 45 Hz to 65 Hz)	0.15 W to 3.6 W	0.15 % of reading	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure (330 mV to 1 000 V) (@ PF=1) (@ 45 Hz to 65 Hz)	1.1 mW to 9 W	0.2 % of reading	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure (330 mV to 1 000 V) (@ PF=1) (@ 45 Hz to 65 Hz)	3 mW to 33 W	0.15 % of reading	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (Triangle Wave & Truncated Sine Peak to Peak) (@ 0.1 Hz to 10 Hz)	2.9 mV to 92.999 mV	50 mV/V + 465 µV	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O

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Electrical	Equipment to Measure AC Voltage (Triangle Wave & Truncated Sine Peak to Peak) (@ 10 Hz to 45 Hz)	93 mV to 929.999 mV	2.5 mV/V + 4.65 mV	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (Triangle Wave & Truncated Sine Peak to Peak) (@ 45 Hz to 1 kHz)	0.93 V to 9.299 99 V	2.5 mV/V + 23.25 mV	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (Triangle Wave & Truncated Sine Peak to Peak) (@ 1 kHz to 20 kHz)	9.3 V to 92.999 9V	5 mV/V + 232.5 mV	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage(Square Wave Sine Peak to Peak) (@ 0.01 Hz to 10 Hz)	2.9 mV to 65.999 mV	50 mV/V + 330 µV	Fluke 5522A / 9100-200 Current coil- Type Clamps 45 Hz to 65 Hz	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O

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Electrical	Equipment to Measure AC Voltage (Square Wave Sine Peak to Peak) (@ 10 Hz to 45 Hz)	66 mV to 659.999 mV	2.5 mV/V + 3.3 mV	Fluke 5522A / 9100-200 Current coil - Type Clamps 45 Hz to 65 Hz	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (Square Wave Sine Peak to Peak) (@ 45 Hz to 1 kHz)	0.66 V to 6.599 99 V	2.5 mV/V + 16.5 mV	Fluke 5522A / 9100-200 Current coil -Type Clamps 45 Hz to 65 Hz	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (Square Wave Sine Peak to Peak) (@ 1 kHz to 100 kHz)	6.6 V to 65.999 9 V	50 mV/V + 330 mV	Fluke 5522A / 9100-200 Current coil - Type Clamps 45 Hz to 65 Hz	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure DC Current (Thyroid - Type Clamps)	10 A to 16.499 9 A	0.4 % of output	Fluke 5522A / 9100-200 Current coil - Type Clamps 45 Hz to 65 Hz	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure DC Current (Thyroid - Type Clamps)	16.5 A to 149.999 A	0.3 % of output	Fluke 5522A /9100-200 Current coil - Type Clamps 45 Hz to 65 Hz	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure DC Current (Thyroid - Type Clamps)	150 A to 550 A	0.3 % of output	Fluke 5522A / Coil Toroidal- Type Clamps 45 Hz to 65 Hz	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O

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Electrical	Equipment to Measure AC Current (Toroidal- Type Clamps) (@ 45 Hz to 65 Hz)	10 A to 16.499 9 A	0.35 % of output	Fluke 5522A / 9100-200 Current coil - Type Clamps 45 Hz to 65 Hz	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Toroidal- Type Clamps) (@ 45 Hz to 65 Hz)	16.5 A to 149.999 A	0.33 % of output	Fluke 5522A / 9100-200 Current coil - Type Clamps 45 Hz to 65 Hz	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Toroidal- Type Clamps) (@ 45 Hz to 65 Hz)	150 A to 550 A	0.34 % of output	Fluke 5522A / 9100-200 Current coil - Type Clamps 45 Hz to 65 Hz	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Toroidal- Type Clamps) (@ 45 Hz to 65 Hz)	551 A to 1 100 A	0.45 % of output	Fluke 5522A / 9100-200 Current coil - Type Clamps 45 Hz to 65 Hz	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Toroidal- Type Clamps) (@ 65 Hz to 400 Hz)	10 A to 16.499 9 A	0.93 % of output	Fluke 5522A / 9100-200 Current coil - Type Clamps 45 Hz to 65 Hz	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O

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Electrical	Equipment to Measure AC Current (Toroidal- Type Clamps) (@ 65 Hz to 400 Hz)	16.5 A to 149.999 A	0.91 % of output	Fluke 5522A / 9100-200 Current coil - Type Clamps 45 Hz to 65 Hz	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure DC Current (Other-Type Clamps)	150 A to 550 A	0.93 % of output	Fluke 5522A / 9100-200 Current coil - Type Clamps 45 Hz to 65 Hz	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure DC Current (Other-Type Clamps)	551 A to 1 200 A	0.96 % of output	Fluke 5522A / 9100-200 Current coil - Type Clamps 45 Hz to 65 Hz	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure DC Current (Other-Type Clamps)	10 A to 16.499 9 A	0.72 % of output	Fluke 5522A / 9100-200 Current coil - Type Clamps 45 Hz to 65 Hz	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure DC Current (Other-Type Clamps)	16.5 A to 149.999 A	0.69 % of output	Fluke 5522A / 9100-200 Current coil - Type Clamps 45 Hz to 65 Hz	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Other-Type Clamps) (@ 45 Hz to 65 Hz)	150 A to 550 A	0.68 % of output	Fluke 5522A / 9100-200 Current coil - Type Clamps 45 Hz to 65 Hz	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O

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Electrical	Equipment to Measure AC Current (Other-Type Clamps) (@ 45 Hz to 65 Hz)	551 A to 1 200 A	0.7 % of output	Fluke 5522A / 9100-200 Current coil - Type Clamps 45 Hz to 65 Hz	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Other-Type Clamps) (@ 45 Hz to 65 Hz)	10 A to 16.499 9 A	2.4 % of output	Fluke 5522A / 9100-200 Current coil - Type Clamps 45 Hz to 65 Hz	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Other-Type Clamps) (@ 65 Hz to 400 Hz)	150 A to 550 A	0.84 % of output	Fluke 5522A / 9100-200 Current coil - Type Clamps 45 Hz to 65 Hz	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Other-Type Clamps) (@ 65 Hz to 400 Hz)	551 A to 1 200 A	0.93 % of output	Fluke 5522A / 9100-200 Current coil - Type Clamps 45 Hz to 65 Hz	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Other-Type Clamps) (@ 65 Hz to 400 Hz)	10 A to 16.499 9 A	1.4 % of output	Fluke 5522A / 9100-200 Current coil - Type Clamps 45 Hz to 65 Hz	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Other-Type Clamps) (@ 65 Hz to 400 Hz)	16.5 A to 149.999 A	1.4 % of output	Fluke 5522A / 9100-200 Current coil - Type Clamps 45 Hz to 65 Hz	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure DC Current	150 A to 550 A	1.4 % of output	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O

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FIELD OF CALIBRATION	MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	EXPANDED MEASUREMENT UNCERTAINTY (±) [1]	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	FLEX CODE	LOCATION OF ACTIVITY
Electrical	Equipment to Measure DC Current	551 A to 1 200 A	1.8 % of output	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure DC Voltage	3.3 V to 32.999 99 V	50 µV/V + 50 µV	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure DC Voltage	33 V to 329.999 9 V	12 µV/V + 20 mV	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure DC Voltage	330 V to 1 020 V	0.018 µV/V + 1.5 mV	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output DC Current	Up to 329.999 µA	0.15 mA/A + 0.02 µA	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output DC Current	330 µA to 3.299 99 mA	0.1 mA/A + 0.05 µA	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output DC Current	3.3 mA to 32.999 9 mA	0.1 mA/A + 0.25 µA	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output DC Current	33 mA to 329.999 mA	0.1 mA/A + 2.5 µA	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output DC Current	330 mA to 1.099 99 A	0.2 mA/A + 40 µA	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output DC Current	1.1 A to 2.999 99 A	0.38 mA/A + 40 µA	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output DC Current	11 A to 20.5 A	0.5 mA/A + 750 µA	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output DC Current	11 A to 20.5 A	1 mA/A + 750 mA/A	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Resistance	Up to 10.999 9 Ω	0.012 mΩ/Ω	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O

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Escobedo, Nuevo Leon, México. C.P. 66050
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Electrical	Equipment to Measure Resistance	11 Ω to 32.999 9 Ω	0.03 mΩ/Ω	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Resistance	33 Ω to 109.999 9 Ω	0.028 mΩ/Ω	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Resistance	110 Ω to 329.999 9 Ω	0.028 mΩ/Ω	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Resistance	330 Ω to 1.099 999 kΩ	0.028 mΩ/Ω	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Resistance	1.1 kΩ to 3.299999 kΩ	0.028 mΩ/Ω	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Resistance	3.3 kΩ to 10.999 99 kΩ	0.028 mΩ/Ω	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Resistance	11 kΩ to 32.999 99 kΩ	0.028 mΩ/Ω	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Resistance	33 kΩ to 109.999 9 kΩ	0.028 mΩ/Ω	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Resistance	110 kΩ to 329.999 99 kΩ	0.032 mΩ/Ω	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Resistance	330 kΩ to 1.099 999 MΩ	0.032 mΩ/Ω	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Resistance	1.1 MΩ to 3.299 999 MΩ	0.06 mΩ/Ω	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Resistance	3.3 MΩ to 10.999 99 MΩ	0.13 mΩ/Ω	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Resistance	11 MΩ to 32.999 99 MΩ	0.25 mΩ/Ω	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O

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Electrical	Equipment to Measure Resistance	33 MΩ to 109.999 9 MΩ	0.3 mΩ/Ω	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Resistance	110 MΩ to 329.999 9 MΩ	3 mΩ/Ω	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Resistance	330 MΩ to 1 100 MΩ	15 mΩ/Ω	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 10 Hz to 20 Hz)	29 µA to 329.99 µA	2 µA/A + 0.1 µA	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 20 Hz to 45 Hz)	29 µA to 329.99 µA	1.5 µA/A + 0.1 µA	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 45 Hz to 1 kHz)	29 µA to 329.99 µA	1.25 µA/A + 0.1 µA	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 1 kHz to 5 kHz)	29 µA to 329.99µΩA	3 µA/A + 0.1 µA	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 5 kHz to 10 kHz)	29 µA to 329.99 µA	8 µA/A + 0.1 µA	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 10 kHz to 30 kHz)	29 µA to 329.99 µA	16 µA/A + 0.1 µA	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 10 Hz to 20 Hz)	0.33 mA to 3.299 99 mA	2 µA/A + 0.1 µA	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O

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Electrical	Equipment to Measure AC Current (@ 20 Hz to 45 Hz)	0.33 mA to 3.299 99 mA	1.5 µA/A + 0.1 µA	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 45 Hz to 1 kHz)	0.33 mA to 3.299 99 mA	1.25 µA/A + 0.1 µA	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 1 kHz to 5 kHz)	0.33 mA to 3.299 99 mA	3 µA/A + 0.1 µA	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 5 kHz to 10 kHz)	0.33 mA to 3.299 99 mA	8 µA/A + 0.1 µA	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 10 kHz to 30 kHz)	0.33 mA to 3.299 99 mA	16 µA/A + 0.1 µA	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 10 Hz to 20 Hz)	3.3 mA to 32.999 9 mA	1.8 µA/A + 0.1 µA	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 20 Hz to 45 Hz)	3.3 mA to 32.999 9 mA	9 µA/A + 0.1 µA	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 45Hz to 1 kHz)	3.3 mA to 32.999 9 mA	1.25 µA/A + 0.1 µA	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 1 kHz to 5 kHz)	3.3 mA to 32.999 9 mA	3 µA/A + 0.1 µA	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O

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Electrical	Equipment to Measure AC Current (@ 5 kHz to 10 kHz)	3.3 mA to 32.999 9 mA	5 µA/A + 0.1 µA	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 10 kHz to 30 kHz)	3.3 mA to 32.999 9 mA	1 µA/A + 0.1 µA	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 10 Hz to 20 Hz)	33 mA to 329.999 mA	1.8 µA/A + 0.2 µA	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 20 Hz to 45 Hz)	33 mA to 329.999 mA	0.9 µA/A + 0.2 µA	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 45 Hz to 1 kHz)	33 mA to 329.999 mA	0.4 µA/A + 0.1 µA	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 1 kHz to 5 kHz)	33 mA to 329.999 mA	1 µA/A + 0.1 µA	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 5 kHz to 10 kHz)	33 mA to 329.999 mA	0.4 µA/A + 0.1 µA	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 10 kHz to 30 kHz)	33 mA to 329.999 mA	1 µA/A + 0.1 µA	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 10 Hz to 45 Hz)	0.33 A to 1.099 99 A	1.8 µA/A + 100 µA	Fluke 5522A Euramet-cg-15.01	ANSI C39.6	F1, F2	F, O

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Electrical	Equipment to Measure AC Current (@ 45 Hz to 1 kHz)	0.33 A to 1.099 99 A	0.5 µA/A + 100 µA	Fluke 5522A Euramet-cg-15.01	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 1 kHz to 5 kHz)	0.33 A to 1.099 99 A	2.5 µA/A + 0.1 µA	Fluke 5522A Euramet-cg-15.01	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 45 Hz to 100 Hz)	3 A to 10.999 9 A	60 µA/A + 2 000 µA	Fluke 5522A Euramet-cg-15.01	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 100 Hz to 1 kHz)	3 A to 10.999 9 A	100 µA/A + 2 000 µA	Fluke 5522A Euramet-cg-15.01	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 1 kHz to 5 kHz)	3 A to 10.999 9 A	300 µA/A + 2 000 µA	Fluke 5522A Euramet-cg-15.01	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 45 Hz to 100 Hz)	11 A to 20.5 A	1 200 µA/A + 5 000 µA	Fluke 5522A Euramet-cg-15.01	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 100 Hz to 1 kHz)	11 A to 20.5 A	1 500 µA/A + 5 000 µA	Fluke 5522A Euramet-cg-15.01	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 1 kHz to 5 kHz)	11 A to 20.5 A	3 000 µA/A + 5 000 µA	Fluke 5522A Euramet-cg-15.01	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 10 Hz to 45 Hz)	1 mV to 32.999 mV	800 mV/V + 6 µV	Fluke 5522A Euramet-cg-15.01	ANSI C39.6	F1, F2	F, O

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Electrical	Equipment to Measure AC Voltage (@ 45 Hz to 10 kHz)	1 mV to 32.999 mV	150 mV/V + 6 µV	Fluke 5522A Euramet-cg-15.01	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 10 kHz to 20 kHz)	1 mV to 32.999 mV	200 mV/V + 6 µV	Fluke 5522A Euramet-cg-15.01	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 20 kHz to 50 kHz)	1 mV to 32.999 mV	1 000 mV/V + 6 µV	Fluke 5522A Euramet-cg-15.01	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 50 kHz to 100 kHz)	1 mV to 32.999 mV	3 500 mV/V + 12 µV	Fluke 5522A Euramet-cg-15.01	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 100 kHz to 500 kHz)	1 mV to 32.999 mV	8 000 mV/V + 50 µV	Fluke 5522A Euramet-cg-15.01	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 10 Hz to 45 Hz)	33 mV to 329.999 mV	300 mV/V + 8 µV	Fluke 5522A Euramet-cg-15.01	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 45 Hz to 10 kHz)	33 mV to 329.999 mV	145 mV/V + 8 µV	Fluke 5522A Euramet-cg-15.01	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 10 kHz to 20 kHz)	33 mV to 329.999 mV	160 mV/V + 8 µV	Fluke 5522A Euramet-cg-15.01	ANSI C39.6	F1, F2	F, O

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Electrical	Equipment to Measure AC Voltage (@ 20 kHz to 50 kHz)	33 mV to 329.999 mV	350 mV/V + 8 µV	Fluke 5522A Euramet-cg-15.01	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 50 kHz to 100 kHz)	33 mV to 329.999 mV	800 mV/V + 32 µV	Fluke 5522A Euramet-cg-15.01	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 100 kHz to 500 kHz)	33 mV to 329.999 mV	2 000 mV/V + 70 µV	Fluke 5522A Euramet-cg-15.01	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 10 Hz to 45 Hz)	0.33 V to 3.299 99 V	300 mV/V + 50 µV	Fluke 5522A Euramet-cg-15.01	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 45 Hz to 10 kHz)	0.33 V to 3.299 99 V	150 mV/V + 60 µV	Fluke 5522A Euramet-cg-15.01	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 10 kHz to 20 kHz)	0.33 V to 3.299 99 V	190 mV/V + 60 µV	Fluke 5522A Euramet-cg-15.01	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 20 kHz to 50 kHz)	0.33 V to 3.299 99 V	300 mV/V + 50 µV	Fluke 5522A Euramet-cg-15.01	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 50 kHz to 100 kHz)	0.33 V to 3.299 99 V	700 mV/V + 125 µV	Fluke 5522A Euramet-cg-15.01	ANSI C39.6	F1, F2	F, O

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Electrical	Equipment to Measure AC Voltage (@ 100 kHz to 500 kHz)	0.33 V to 3.299 99 V	2 400 mV/V + 600 µV	Fluke 5522A Euramet-cg-15.01	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 10 Hz to 45 Hz)	3.3 V to 32.999 9 V	300 mV/V + 650 µV	Fluke 5522A Euramet-cg-15.01	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 45 Hz to 10 kHz)	3.3 V to 32.9999 V	150 mV/V + 600 µV	Fluke 5522A Euramet-cg-15.01	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 10 kHz to 20 kHz)	3.3 V to 32.999 9 V	240 mV/V + 600 µV	Fluke 5522A Euramet-cg-15.01	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 20 kHz to 50 kHz)	3.3 V to 32.999 9 V	350 mV/V + 600 µV	Fluke 5522A Euramet-cg-15.01	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 50 kHz to 100 kHz)	3.3 V to 32.999 9 V	900 mV/V + 1 600 µV	Fluke 5522A Euramet-cg-15.01	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 45 Hz to 1 kHz)	33 V to 329.999 V	190 mV/V + 2 000 µV	Fluke 5522A Euramet-cg-15.01	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 1 kHz to 10 kHz)	33 V to 329.999 V	200mV/V + 6 000 µV	Fluke 5522A Euramet-cg-15.01	ANSI C39.6	F1, F2	F, O

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Electrical	Equipment to Measure AC Voltage (@ 10 kHz to 20 kHz)	33 V to 329.999 V	250 mV/V + 6 000 µV	Fluke 5522A Euramet-cg-15.01	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 20 kHz to 50 kHz)	33 V to 329.999 V	300 mV/V + 6 000 µV	Fluke 5522A Euramet-cg-15.01	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 50 kHz to 100 kHz)	33 V to 329.999 V	2 000 mV/V + 50 000 µV	Fluke 5522A Euramet-cg-15.01	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 45 Hz to 1 kHz)	330 V to 1 020 V	300 mV/V + 10 000 µV	Fluke 5522A Euramet-cg-15.01	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 1 kHz to 5 kHz)	330 V to 1 020 V	250 mV/V + 10 000 µV	Fluke 5522A Euramet-cg-15.01	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 5 kHz to 10 kHz)	330 V to 1 020 V	300 mV/V + 10 000 µV	Fluke 5522A Euramet-cg-15.01	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	220 to 399.9 pF	5 pF/F + 10 pF	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	0.4 µF to 1.099 9 µF	5 pF/F + 0.01 µF	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	1.1 µF to 3.299 9 µF	5 pF/F + 0.01 µF	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	3.3 µF to 10.999 9 µF	2.5 pF/F + 0.01 µF	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O

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Escobedo, Nuevo Leon, México. C.P. 66050
Contact Name: Marcelo Castañon Phone: 811-094-0880

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Electrical	Equipment to Measure Capacitance	11 µF to 32.999 9 µF	2.5 pF/F + 0.01 µF	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	33 µF to 109.999 µF	2.5 pF/F + 0.01 µF	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	110 µF to 329.999 µF	2.5 pF/F + 0.03 µF	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	0.33 µF to 1.09999 µF	2.5 pF/F + 1 µF	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	1.1 µF to 3.29999 µF	2.5 pF/F + 3 µF	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	3.3 µF to 10.999 9 µF	2.5 pF/F + 10 µF	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	11 µF to 32.999 9 µF	4 pF/F + 30 µF	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	33 µF to 109.999 µF	4.5 pF/F + 100 v	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	110 µF to 329.999 µF	4.5 pF/F + 300 µF	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	0.33 µF to 1.099 99 mF	4.5 pF/F + 1 µF	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	1.1 µF to 3.299 99 mF	4.5 pF/F + 3 µF	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	3.3 µF to 10.999 9 mF	4.5 pF/F + 10 µF	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	11 µF to 32.999 9 mF	7.5 pF/F + 30 µF	Fluke 5522A	Euramet-cg-15.01 ANSI C39.6	F1, F2	F, O

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Electrical	Equipment to Measure Capacitance	33 µF to 110 mF	10.1 pF/F + 30 µF	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type B	600 °C to 800 °C	0.44 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type B	800 °C to 1 000 °C	0.34 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type B	1 000 °C to 1 550 °C	0.3 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type B	1 550 °C to 1 820 °C	0.26 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O

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Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type C	0 °C to 150 °C	0.3 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type C	150 °C to 650 °C	0.26 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type C	650 °C to 1 000 °C	0.31 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type C	1 000 °C to 1 800 °C	0.5 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type C	1 800 °C to 2 316 °C	0.84 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O

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Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type E	-250 °C to -100 °C	0.5 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type E	-100 °C to -25 °C	0.16 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type E	-25 °C to 350 °C	0.14 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type E	350 °C to 650 °C	0.16 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type E	650 °C to 1 000 °C	0.21 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O

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Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type J	-210 °C to -100°C	0.27 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type J	-100 °C to -30 °C	0.16 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type J	-30 °C to 150 °C	0.14 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type J	150 °C to 760 °C	0.17 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type J	760 °C to 1 200 °C	0.23 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O

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Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type K	-200 °C to -100 °C	0.33 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type K	-100 °C to -25 °C	0.18 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type K	-25 °C to 120 °C	0.016 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type K	120 °C to 1 000 °C	0.26 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type K	1 000 °C to 1 372 °C	0.4 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O

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Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type L	-200 °C to -100 °C	0.37 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type L	-100 °C to 800 °C	0.26 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type L	800 °C to 900 °C	0.17 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type N	200 °C to -100 °C	0.4 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type N	-100 °C to -25 °C	0.22 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O

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Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type N	-25 °C to 120 °C	0.19 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type N	120 °C to 410 °C	0.18 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type N	410 °C to 1 300 °C	0.27 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type R	0 °C to 250 °C	0.57 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type R	250 °C to 400 °C	0.35 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O

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Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type R	400 °C to 1 000 °C	0.33 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type R	1 000 °C to 1 767 °C	0.4 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type S	0 °C to 250 °C	0.47 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type S	250 °C to 1 000 °C	0.36 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type S	1 000 °C to 1 400 °C	0.37 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O

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Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type S	1 400 °C to 1 767 °C	0.46 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type T	-250 °C to -150 °C	0.63 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type T	-150 °C to 0 °C	0.24 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type T	0 °C to 120 °C	0.16 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type T	120 °C to 400 °C	0.14 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O

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Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type U	-200 °C to 0 °C	0.56 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type U	0 °C to 600 °C	0.27 °C	Electrical Simulation of Thermocouple Output Fluke 5522A	ASTM E 230	F1, F2	F, O
Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 385, 100 Ω	-200 ºC to -80 ºC	0.05 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O
Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 385, 100 Ω	-80 ºC to 0 ºC	0.05 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O
Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 385, 100 Ω	0 ºC to 100 ºC	0.07 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O

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Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 385, 100 Ω	100 ºC to 300 ºC	0.08 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O
Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 385, 100 Ω	300 ºC to 400 ºC	0.09 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O
Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 385, 100 Ω	400 ºC to 630 ºC	0.12 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O
Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 385, 100 Ω	630 ºC to 800 ºC	0.23ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O
Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 3926, 100 Ω	-200 ºC to -80 ºC	0.05 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O

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FIELD OF CALIBRATION	MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	EXPANDED MEASUREMENT UNCERTAINTY (±) [1]	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	FLEX CODE	LOCATION OF ACTIVITY
Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 3926, 100 Ω	-80 ºC to 0 ºC	0.05 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O
Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 3926, 100 Ω	0 ºC to 100 ºC	0.07 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O
Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 3926, 100 Ω	100 ºC to 300 ºC	0.09 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O
Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 3926, 100 Ω	300 ºC to 400 ºC	0.1 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O
Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 3926, 100 Ω	400 ºC to 630 ºC	0.12 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O

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Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 3916, 100 Ω	-200 ºC to -190 ºC	0.04 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O
Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 3916, 100 Ω	-190 ºC to -80 ºC	0.05 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O
Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 3916, 100 Ω	-80 ºC to 0 ºC	0.06 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O
Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 3916, 100 Ω	0 ºC to 100 ºC	0.07 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O
Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 3916, 100 Ω	100 ºC to 260 ºC	0.05 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O

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Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 3916, 100 Ω	260 ºC to 300 ºC	0.08 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O
Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 3916, 100 Ω	300 ºC to 400 ºC	0.09 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O
Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 3916, 100 Ω	400 ºC to 600 ºC	0.1 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O
Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 3916, 100 Ω	600 ºC to 630 ºC	0.23 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O
Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 385, 200 Ω	-200 ºC to -80 ºC	0.04 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O

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Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 385, 200 Ω	-80 ºC to 0 ºC	0.04 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O
Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 385, 200 Ω	0 ºC to 100 ºC	0.04 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O
Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 385, 200 Ω	100 ºC to 260 ºC	0.05 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O
Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 385, 200 Ω	260 ºC to 300 ºC	0.12 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O
Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 385, 200 Ω	300 ºC to 400 ºC	0.13 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O

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Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 385, 200 Ω	400 ºC to 600 ºC	0.14 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O
Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 385, 200 Ω	600 ºC to 630 ºC	0.16 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O
Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 385, 500 Ω	-200 ºC to -80 ºC	0.04 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O
Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 385, 500 Ω	-80 ºC to 0 ºC	0.05 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O
Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 385, 500 Ω	0 ºC to 100 ºC	0.05 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O

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Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 385, 500 Ω	100 ºC to 260 ºC	0.06 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O
Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 385, 500 Ω	260 ºC to 300 ºC	0.08 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O
Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 385, 500 Ω	300 ºC to 400 ºC	0.08 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O
Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 385, 500 Ω	400 ºC to 600 ºC	0.09 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O
Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 385, 500 Ω	600 ºC to 630 ºC	0.11 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O

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Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 385, 1 000 Ω	-200 ºC to -80 ºC	0.04 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O
Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 385, 1 000 Ω	-80 ºC to 0 ºC	0.05 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O
Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 385, 1 000 Ω	0ºC to 100 ºC	0.04 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O
Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 385, 1 000 Ω	100 ºC to 26 0 ºC	0.05 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O
Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 385, 1 000 Ω	260 ºC to 30 0 ºC	0.06 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O

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Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 385, 1 000 Ω	300º C to 400 ºC	0.07 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O
Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 385, 1 000 Ω	400 ºC to 600 ºC	0.07 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O
Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Type Pt 385, 1 000 Ω	600 ºC to 630 ºC	0.23 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O
Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Pt Ni 385, 120 Ω (Ni120)	-80 ºC to 0 ºC	0.08 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O
Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Pt Ni 385, 120 Ω (Ni120)	0 ºC to 100 ºC	0.08 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O

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Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Pt Ni 385, 120 Ω (Ni120)	100 ºC to 260 ºC	0.14 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O
Electrical	Temperature Calibration, Indication, and Control Equipment used with RTD Cu 427, 10 Ω	-100 ºC to 260 ºC	0.3 ºC	Electrical Simulation of RTD Output Fluke 5522A	Euramet cg-11	F1, F2	F, O
Electrical	Equipment to Output DC Voltage	100 mV	4.4×10^{-4} mV	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output DC Voltage	1 V	9.7×10^{-7} V	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output DC Voltage	10 V	7.3×10^{-6} V	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output DC Voltage	100 V	1.7×10^{-4} V	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output DC Voltage	1 000 V	2×10^{-3} V	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Voltage	100 mV	1.1×10^{-3} mV	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Voltage	1 V	1.8×10^{-6} V	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Voltage	10 V	1.7×10^{-4} V	Fluke 8588A	ANSI C39.6	F1, F2	F, O

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Electrical	Equipment to Output AC Voltage	100 V	2.2×10^{-4} V	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Voltage	1 000 V	2.1×10^{-3} V	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 1 Hz to 10 Hz)	10 mV	1.5×10^{-6} Hz	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 10 Hz to 40 Hz)	10 mV	1.5×10^{-6} Hz	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output Capacitance	100 mF	2.5×10^{-2} mF	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output Capacitance	400 µF/F	5×10^{-2} µF	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 40 Hz to 100 Hz)	10 mV	2.2×10^{-3} mV	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 100 Hz to 2 kHz)	10 mV	2.1×10^{-3} mV	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 2 kHz to 10 kHz)	10 mV	2.1×10^{-3} mV	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 10 kHz to 30 kHz)	10 mV	2.1×10^{-3} mV	Fluke 8588A	ANSI C39.6	F1, F2	F, O

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Electrical	Equipment to Output AC Voltage (@ 30 kHz to 10 MHz)	10 mV	2.5×10^{-2} mV	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 1 Hz to 10 Hz)	1 V	2.8×10^{-5} V	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 10 Hz to 40 Hz)	1 V	1.9×10^{-5} V	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 40 Hz to 100 Hz)	1 V	1.9×10^{-5} V	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 100 Hz to 2 kHz)	1 V	1.8×10^{-5} V	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 2 kHz to 10 kHz)	1 V	1.8×10^{-5} V	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 10 kHz to 30 kHz)	1 V	2×10^{-5} V	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 30 kHz to 100 kHz)	1 V	1.3×10^{-4} V	Fluke 8588A	ANSI C39.6	F1, F2	F, O

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Electrical	Equipment to Output AC Voltage (@ 100 kHz to 300 kHz)	1 V	6.6×10^{-4} V	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 300 kHz to 1 MHz)	1 V	2.3×10^{-3} V	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 1 Hz to 10 Hz)	10 V	3×10^{-4} V	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 10 Hz to 40 Hz)	10 V	1.8×10^{-4} V	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 40 Hz to 100 Hz)	10 V	2×10^{-4} V	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 100 Hz to 2 kHz)	10 V	1.7×10^{-4} V	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 2 kHz to 10 kHz)	10 V	1.7×10^{-4} V	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 10 kHz to 30 kHz)	10 V	1.9×10^{-4} V	Fluke 8588A	ANSI C39.6	F1, F2	F, O

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Electrical	Equipment to Output AC Voltage (@ 30 kHz to 100 kHz)	10 V	1.2×10^{-3} V	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 100 kHz to 300 kHz)	10 V	5.9×10^{-3} V	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 300 kHz to 10 MHz)	10 V	5.9×10^{-2} V	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 1 Hz to 10 Hz)	1 000 V	2.1×10^{-2} V	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 10 Hz to 40 Hz)	1 000 V	2.1×10^{-2} V	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 40 Hz to 100 Hz)	1 000 V	2.3×10^{-2} V	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 100 Hz to 2 kHz)	1 000 V	2.3×10^{-2} V	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 2 kHz to 10 kHz)	1 000 V	2.3×10^{-2} V	Fluke 8588A	ANSI C39.6	F1, F2	F, O

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Contact Name: Marcelo Castañon Phone: 811-094-0880

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 (±) [1]	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	FLEX CODE	LOCATION OF ACTIVITY
Electrical	Equipment to Measure Resistance	0 Ω to 1.99 Ω	1.5×10^{-5} Ω	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Resistance	2 Ω to 19.99 Ω	6.3×10^{-5} Ω	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Resistance	20 Ω to 199.99 Ω	4.2×10^{-4} Ω	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Resistance	200 Ω to 1.99 kΩ	3.2×10^{-6} kΩ	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Resistance	2 kΩ to 19.99 kΩ	4.9×10^{-5} kΩ	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Resistance	20 kΩ to 199.99 kΩ	5.3×10^{-4} kΩ	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Resistance	200 kΩ to1.99 MΩ	8.7×10^{-6} MΩ	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Resistance	2 MΩ to 1.999 GΩ	1.7×10^{-4} GΩ	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Measure Resistance	2 GΩ to 20 GΩ	1.7×10^{-4} GΩ	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output DC Current	10 µA	2.9×10^{-4} µA	Fluke 8588A	ANSI C39.6	F1, F2	F
Electrical	Equipment to Output DC Current	1 mA	5.8×10^{-3} mA	Fluke 8588A	ANSI C39.6	F1, F2	F
Electrical	Equipment to Output DC Current	10 mA	5×10^{-5} mA	Fluke 8588A	ANSI C39.6	F1, F2	F
Electrical	Equipment to Output DC Current	100 mA	1.3×10^{-3} mA	Fluke 8588A	ANSI C39.6	F1, F2	F

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Electrical	Equipment to Output DC Current	3 A	7.2×10^{-5} A	Fluke 8588A	ANSI C39.6	F1, F2	F
Electrical	Equipment to Output DC Current	30 A	2.3×10^{-3} A	Fluke 8588A	ANSI C39.6	F1, F2	F
Electrical	Equipment to Output AC Current (@ 1 Hz to 10 Hz)	10 µA	6.2×10^{-3} µA	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Current (@ 10 Hz to 10 kHz)	10 µA	8.5×10^{-3} µA	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Current (@ 10 kHz to 30 kHz)	10 µA	6.5×10^{-2} µA	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Current (@ 30 Hz to 100 kHz)	10 µA	6.5×10^{-2} µA	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Current (@ 1 Hz to 10 Hz)	1 mA	1.1×10^{-4} mA	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Current (@ 10 Hz to 10 kHz)	1 mA	7.8×10^{-5} mA	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Current (@ 10 kHz to 30 kHz)	1 mA	6.1×10^{-4} mA	Fluke 8588A	ANSI C39.6	F1, F2	F, O

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Electrical	Equipment to Output AC Current (@ 30 Hz to 100 kHz)	1 mA	6.1×10^{-4} mA	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Current (@ 1 Hz to 10 Hz)	10 mA	1×10^{-3} mA	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Current (@ 10 Hz to 10 kHz)	10 mA	7.5×10^{-4} mA	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Current (@ 10 kHz to 30 kHz)	10 mA	6.2×10^{-3} mA	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Current (@ 30 Hz to 100 kHz)	10 mA	6.2×10^{-3} mA	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Current (@ 1 Hz to 10 Hz)	100 mA	8.4×10^{-3} mA	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Current (@ 10 Hz to 10 kHz)	100 mA	7.4×10^{-3} mA	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Current (@ 10 kHz to 30 kHz)	100 mA	6.1×10^{-3} mA	Fluke 8588A	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Current (@ 1 Hz to 10 Hz)	3 A	9.8×10^{-5} A	Fluke 8588A Keithley 2001	ANSI C39.6	F1, F2	F, O

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Electrical	Equipment to Output AC Current (@ 10 Hz to 10 kHz)	3 A	2.4×10^{-4} A	Fluke 8588A Keithley 2001	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Current (@ 10 kHz to 30 kHz)	3 A	2.6×10^{-4} A	Fluke 8588A Keithley 2001	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Current (@ 1 Hz to 10 Hz)	30 A	1.1×10^{-3} A	Fluke 8588A Keithley 2001	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Current (@ 10 Hz to 10 kHz)	30 A	1×10^{-3} A	Fluke 8588A Keithley 2001	ANSI C39.6	F1, F2	F, O
Electrical	Equipment to Output AC Current (@ 10 kHz to 30 kHz)	30 A	6.6×10^{-3} A	Fluke 8588A Keithley 2001	ANSI C39.6	F1, F2	F, O
Optical	Equipment to Measure P (λ) Spectral Reflectance (CIE L:)	14 Units to 85 Units	1.69 Units	White, Red, Green, Blue and Yellow Standard Tile	ASTM E 1331 ASTM D 2244 ASTM E 1164 ASTM E 308	F1, F2	F, O
Optical	Equipment to Measure P (λ) Spectral Reflectance (CIE a*:)	0.22 Units to 0.51 Units	0.26 Units	White, Red, Green, Blue and Yellow Standard Tile	ASTM E 1331 ASTM D 2244 ASTM E 1164 ASTM E 308	F1, F2	F, O
Optical	Equipment to Measure P (λ) Spectral Reflectance (CIE b*:)	0.27 Units to 0.45 Units	0.24 Units	White, Red, Green, Blue and Yellow Standard Tile	ASTM E 1331 ASTM D 2244 ASTM E 1164 ASTM E 308	F1, F2	F, O

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Optical	Trasmittance Spectrophotometers and Absorbance at these Wave Lengths (λ: 280 nm to 880 nm) (λ:)	280 nm to 880 nm	0.18 nm	Neutral Density Filters, Holmium Oxide Glass Filter, Didymium Oxide Glass Filter	ASTM E 925	F1, F2	F, O
Optical	Trasmittance Spectrophotometers and Absorbance at these Wave Lengths (λ: 280 nm to 880 nm) (τ:)	0 % T to 30 % T	0.082 % T	Neutral Density Filters, Holmium Oxide Glass Filter, Didymium Oxide Glass Filter	ASTM E 925	F1, F2	F, O
Optical	Trasmittance Spectrophotometers and Absorbance at these Wave Lengths (λ: 280 nm to 880 nm) (α:)	0.049 absorbance to 1.09 absorbance	0.000 27 % of reading	Neutral Density Filters, Holmium Oxide Glass Filter, Didymium Oxide Glass Filter	ASTM E 925	F1, F2	F, O
Optical	Gloss/Specular Reflectance Meter (@ 20° Angle of Incline)	21.3 GU	0.59 GU	Ceram Gloss Standard	ASTM D-523-14	F1, F2	F, O
Optical	Gloss/Specular Reflectance Meter (@ 60° Angle of Incline)	60 GU	0.6 GU	Ceram Gloss Standard	ASTM D-523-14	F1, F2	F, O

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Optical	Gloss/Specular Reflectance Meter (@ 85° Angle of Incline)	85 GU	0.69 GU	Ceram Gloss Standard	ASTM D-523-14	F1, F2	F, O
Optical	Ev Illuminance Light Booth	100 lux to 6 000 lux	0.8 % of reading	Luxmeter Konica Minolta CL-200	ASTM D 1729 / ISO 3664	F1, F2	O
Optical	Ev Light Meters	100 lux to 5 000 lux	0.8 % of reading	Luxmeter Konica Minolta CL-200	ASTM D 1729 / ISO 3664	F1, F2	O
Optical	Luxometer	20 lux to 5 000 lux	0.6 % of reading	Luxmeter Konica Minolta CL-200	NIST 250-37	F1, F2	F, O
Thermodynamic	Calibration of Thermocouple Type K, J, R, S	-10 ºC to 110 ºC	0.065 ºC	Fluke 9102 Fluke 8588A with PRT 5626	Eurament-cg-11	F1, F2	F, O
Thermodynamic	Calibration of Thermocouple Type K, J, R, S	35 °C to 425 °C	0.055 ºC	Fluke 9172 Fluke 8588A with PRT 5626	Eurament-cg-11	F1, F2	F, O
Thermodynamic	Calibration of RTD Type Pt 100 Ω (385)	-10 ºC to 110 ºC	0.065 ºC	Fluke 9102 Fluke 8588A with PRT 5626	Eurament-cg-11	F1, F2	F, O
Thermodynamic	Calibration of RTD Type Pt 100 Ω (385)	35 °C to 425 °C	0.055ºC	Fluke 9172 Fluke 8588A with PRT 5626	Eurament-cg-11	F1, F2	F, O
Thermodynamic	Temperature- Measure Thermometers Radiation	50 ºC to 500 ºC	0.8 ºC	Infrared Blackbody Hart Scientific Fluke 9132	ASTM E220 CENAM Technical Guide	F1, F2	F, O
Thermodynamic	Temperature- Measure	300 ºC to 1 200 ºC	0.3 °C	Infrared Blackbody D-MEI DY-HT3	ASTM E220 CENAM	F1, F2	F, O

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	Thermometers Radiation				Technical Guide		
Thermodynamic	Temperature Generation Ovens, Furnaces, Muffles and Freezers	0 ºC to 750 ºC	0.22 °C	Fluke 754 with TC Type J	CENAM Technical Guide	F1, F2	O
Thermodynamic	Temperature Generation Ovens, Furnaces, Muffles and Freezers	0 ºC to 750 ºC	0.63°C	Fluke 754 with TC Type K	CENAM Technical Guide	F1, F2	O
Thermodynamic	Thermo-Hygrometer (Humidity)	10 % RH to 95 % RH	0.66 % RH	Thermo-Hygrometer Novasina	OIML R 121	F1, F2	F
Thermodynamic	Calibration of Thermocouples Type K	300 °C to 1 200 ºC	0.2 % of reading	Furnace for Thermocouples Metrology	ASTM E220 CENAM Technical Guide	F1, F2	F, O
Thermodynamic	Temperature Thermo-Hygrometers, Temperature & Humidity Recorders Only Temperature	0 °C to 80 °C	0.13 °C	Thermohygometer Novasina	OIML R 121	F1, F2	F, O
Thermodynamic	Temperature Generation Extrusion Plastometer/ Melt Indexer	50 ºC to 400 ºC	0.058 ºC	Fluke 8588A with Standard Platinum Resistance Probe, R0 100 Ω Hart Scientific- Fluke 5626-15-S, Hart	ASTM D-1238 CENAM Technical Guide	F1, F2	O

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				Scientific- Fluke 56265 Temperature Calibration Temperature Indicator with Pt-100			
Thermodynamic	Temperature Generation Temperature Dry Block Calibrators, IR Calibrators, Lactometers, Glass Thermometer, Bi-Metallic Thermometer, Digital Multi - Channel Thermometers	0 ºC to 400 ºC	0.011 ºC	Fluke 8588A with Standard Platinum Resistance Probe R0 100 Ω Hart Scientific- Fluke 5626-15-S	CENAM Technical Guide	F1, F2	F
Mass, Force and Weighing Devices	Balances	20 g to 200 g (Res.= 0.01 g)	$(1.2 \times 10^{-2} + 2.5 \times 10^{-8} Wt)$ g	Class F1 Weights	NOM-010-SCFI	F1, F2	O
Mass, Force and Weighing Devices	Balances	200 g to 2 kg (Res.= 0.1 g)	$(1.2 \times 10^{-1} + 2.6 \times 10^{-8} Wt)$ g	Class F1 Weights	NOM-010-SCFI	F1, F2	O
Mass, Force and Weighing Devices	Balances	2 kg to 20 kg (Res.= 1 g)	$(1.2 + 7.8 \times 10^{-7} Wt)$ g	Class F1 Weights	NOM-010-SCFI	F1, F2	O
Mass, Force and Weighing Devices	Balances	20 kg to 200 kg (Res.= 10 g)	$(12 + 2.4 \times 10^{-6} Wt)$ g	Class F1 Weights	NOM-010-SCFI	F1, F2	O

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Mass, Force and Weighing Devices	Balances	100 kg to 1 000 kg (Res.= 0.5 kg)	(577 + 4.4 x 10^{-8}Wt) g	Class M2 Weights	NOM-010-SCFI	F1, F2	O
Mass, Force and Weighing Devices	Force Machines (Tension and Compression)	1 N to 444.8 N	0.25 % of reading	Load Cell, Rice Lake	ISO 7500	F1, F2	F, O
Mass, Force and Weighing Devices	Force Machines (Compression)	0.04 kn to 0.49 KN (40 N to 490 N)	0.5 % of reading	Load cell (50 kg)	ISO 7500	F1, F2	F, O
Mass, Force and Weighing Devices	Force Machines (Tension and Compression)	0.44 kN to 4.44 kN	0.48 % of reading	Load Cell, LOADTRON	ISO 7500	F1, F2	F, O
Mass, Force and Weighing Devices	Force Machines (Compression)	0.98 kN to 9.81 kN	0.5 % of reading	Load cell (1000 kg)	ISO 7500	F1, F2	F, O
Mass, Force and Weighing Devices	Force Machines (Tension and Compression)	1.33 kN to 13.34 kN	0.49 % of reading	Load Cell LOADTRON	ISO 7500	F1, F2	F, O
Mass, Force and Weighing Devices	Force Machines (Tension and Compression)	2.22 kN to 22.24 kN	0.38 % of reading	Load Cell, Rice Lake	ISO 7500	F1, F2	F, O
Mass, Force and Weighing Devices	Force Machines (Tension and Compression)	4.44 kN to 44.48 kN	0.38 % of reading	Load Cell LOADTRON	ISO 7500	F1, F2	F, O
Mass, Force and Weighing Devices	Force Machines (Tension and Compression)	11.12 kN to 111.2 kN	0.26 % of reading	Load Cell LOADTRON	ISO 7500	F1, F2	F, O

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Mass, Force and Weighing Devices	Force Machines (Tension and Compression)	20 kN to 222.41 kN	0.5 % of reading	Load Cell LOADTRON	ISO 7500	F1, F2	F, O
Mass, Force and Weighing Devices	Durometer Hardness Tester (Types A, B, E & O) (Durometer Indentor Spring)	0.55 N to 9.05 N	0.044 N	Comparator	ASTM D-2240	F1, F2	F
Mass, Force and Weighing Devices	Durometer Hardness Tester (Types C, D & DO) (Durometer Indentor Spring)	0.445 N to 44.45 N	0.44 N	Comparator	ASTM D-2240	F1, F2	F

1. The CMC (Calibration and Measurement Capability) is expressed in terms of measurement instrument/aspect being calibrated, range, expanded measurement uncertainty, equipment, and method/procedure. The expanded measurement uncertainty 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 measurement uncertainty included on this scope 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 laboratory's range of calibration capability for all disciplines for which it is 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:

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Location Code	Location
F	Conformity assessment activity is performed at the CAB's fixed facility
O	Conformity assessment activity is performed onsite at the CAB's 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 laboratory's 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 laboratory's 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.

7. Flex Codes

F0: When no flexibility is identified. There are no changes to items calibrated, characteristics identified or versions of methods except for updating to the most recent version of a standard method after verification.
F1: The laboratory has the capability to introduce a new instrument, quantity, or gauge for an accredited calibration method.
F2: The laboratory has the capability to introduce the newest revision of an accredited authoritative standard method (with no modifications) identified on the scope
F3: The laboratory has the capability to introduce a new revision of an accredited non-standard method using the same technology or technique identified on the scope
F4: The laboratory has the capability to introduce a validated method that is equivalent to an accredited method (using the same Calibration Equipment or Reference Standards identified on the scope for the same parameter, component, or analyte identified on the line item of the scope.