PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

LABCAT, S. de R.L. M.I. / TOPCAL Services

Galeana # 619, Col. Moderna
Matamoros, Tamaulipas, México. C.P. 87300

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, Thermodynamic, Mass, Force and Weighing Devices, Time and Frequency, Mechanical, Chemical, and Electrical 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:*
May 12, 2011	August 18, 2025	November 30, 2027

Accreditation No.:	*Certificate No.:*
70451	L25-667

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

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Galeana # 619, Col. Moderna
Matamoros, Tamaulipas, México. C.P. 87300
Contact Name: Juan Guerrero Gonzalez Phone: 868-111-3039

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	Calipers	0.05 in to 6 in	(470 + 4 x10 $^{-7}$L) µin	Block Gauge Mod: 516-421-12	NMX-CH-002-IMNC	F1, F2	F, O
Dimensional	Calipers	0.5 in to 24 in	(590 + 5.2 x10 $^{-6}$L) µin	Check Master Mod: 515-732	NMX-CH-002-IMNC	F1, F2	F, O
Dimensional	Micrometer (Outside)	0.05 in to 4 in	(20 + 8.8 x 10 $^{-7}$L) µin	Block Gauge Mod:516-421-12	NMX-CH-99-SCFI	F1, F2	F, O
Dimensional	Micrometer (Outside)	5 in to 20 in	(29.74 + 3.86L) µin	Bar Set Mod:167-145 to 160	NMX-CH-99-SCFI	F1, F2	F, O
Dimensional	Depth Micrometer	1 in to 8 in	(220 + 35L) µin	Comparison Block Gauge Mitutoyo Mod: 516-421-12	NMX-CH-149-SCFI	F1, F2	F, O
Dimensional	Indicators	0.000 02 in to 2 in	(15 + 1 x 10^{-5}L) µin	ULM Mahr Mod: 828 PC	NMX-CH-149-SCFI	F1, F2	F, O
Dimensional	Pin Gage	0.011 in to 8 in	0.000 21 % of reading + 15 µin	ULM Mahr 828 PC	ASME B89.1.5	F1, F2	F
Dimensional	Pin Gage	0.5 mm to 200 mm	0.000 26 % of reading + 0.4 µm	ULM Mahr 828 PC	ASME B89.1.5	F1, F2	F
Dimensional	Height Gauge	0.5 in to 24 in	(290 + 2.6 x 10 $^{-7}$L) µin	Check Master Mod: 515-732 Block Gauge Mod: 516-421-12	JIS B 7517	F1, F2	F, O

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Dimensional	Height Gauge	0.05 in to 6 in	(290 + 2 x 10^{-8}L) µin	Check Master Mod: 515-732 Block Gauge Mod: 516-421-12	JIS B 7517	F1, F2	F, O
Dimensional	Rules	2.54 mm to 1 016 mm	0.8 mm	Graduate Rule Mitutoyo Mod: 182-309	JID B 7516	F1, F2	F
Dimensional	Glass Scale	2.54 mm to 300 mm	0.8 mm	Graduate Rule Mitutoyo Mod: 182-309	JID B 7516	F1, F2	F
Dimensional	Optical Comparator (X Axis Linearity)	12 in (maximum)	520 µin	Glass Rule Mod: 172-162 Comparison Block Gauge Mitutoyo Mod: 516-421-12	JIS B 7184	F1, F2	F
Dimensional	Optical Comparator (Y Axis Linearity)	12 in (maximum)	520 µin	Glass Rule Mod: 172-162 Comparison Block Gauge Mitutoyo Mod: 516-421-12	JIS B 7184	F1, F2	F
Dimensional	Optical Comparator (Squareness of Y axis to X axis)	8 in of Y travel or Maximum Y axis travel if Maximum is less than 8 in	0.005 7 in	Master Square Comparison Block Gauge Mitutoyo Mod: 516-421-12	JIS B 7184	F1, F2	F
Dimensional	Optical Comparator (Angularity)	Up to 180 °	0.15°	Angular Reticle Mitutoyo Comparison Block Gauge Mitutoyo Mod: 516-421-12	JIS B 7184	F1, F2	F

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Dimensional	Optical Comparator (Magnification)	10X	0.03 % of reading	Comparison Block Gauge Mitutoyo Mod: 516-421-12	NMX-CH-3650	F1, F2	F
Dimensional	Optical Comparator (Magnification)	20X	0.03 % of reading	Comparison Block Gauge Mitutoyo Mod: 516-421-12	NMX-CH-3650	F1, F2	O
Dimensional	Optical Comparator (Magnification)	31.5X	0.03 % of reading	Comparison Block Gauge Mitutoyo Mod: 516-421-12	NMX-CH-3650	F1, F2	O
Dimensional	Optical Comparator (Magnification)	62.5X	0.03 % of reading	Comparison Block Gauge Mitutoyo Mod: 516-421-12	NMX-CH-3650	F1, F2	O
Dimensional	Optical Comparator (Magnification)	50X	0.04 % of reading	Comparison Block Gauge Mitutoyo Mod: 516-421-12	NMX-CH-3650	F1, F2	O
Dimensional	Goniometer and Protractor	1° to 135 °	0.01°	Angle Block Set	CEM DI-003	F1, F2	F, O
Dimensional	Thickness Gauge	23 µm to 1 457 µm	2 µm	Plastic Shims Defelsko Mod: Set	ASTM D7091	F1, F2	F
Dimensional	Granite Surface Plate (Repeat Only)	0.000 02 in to 0.001 in	20 µin	Repeat Reading Gauge Starrett with Mahr Supramess 1002 Z	GGG-P-463c	F1, F2	F
Dimensional	Thread Plug Gage (Pitch Diameter)	3-48 to 6-16	(15 + 2.1 x 10^{-6}L) µin	ULM Mahr Mod: 828 PC	ASME B1.2 ASME B1.13M	F1, F2	F
Dimensional	Thread Plug Gage (Pitch Diameter)	0.085 5 in to 5.9655 in	(15 + 2.1 x 10^{-6}L) µin	ULM Mahr Mod: 828 PC	ASME B1.2 ASME B1.13M	F1, F2	F

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Dimensional	Thread Ring Gages (Pitch Diameter)	0.161 9 in to 5.959 4 in	(15 + 1.4 x 10^{-6}L) µin	ULM Mahr & Internal Thread Probes Mod: 828 PC	ASME B1.2, ASME B1.13M	F1, F2	F
Dimensional	Thread Ring Gages (Pitch Diameter)	10-24 to 6-16	(15 + 1.4 x 10^{-6}L) µin	ULM Mahr & Internal Thread Probes Mod: 828 PC	ASME B1.2, ASME B1.13M	F1, F2	F
Dimensional	Gages Block, (Steel Grade 0, 1, 2)	0.05 in to 4 in	(2.35 + 1.09L) µin	Gauge Block Set Grade 00 MAHR 828 Universal Length Machine	ASME B89.1.9	F1, F2	F
Dimensional	Cylindrical Ring Gages	0.2 in to 8 in	(14+ 2.2 x 10^{-6}L) µin	MAHR 828 Universal Length Machine, Internal Probe	ASME B89.1.5	F1, F2	F
Dimensional	Standard and Measuring Rods to Micrometer Setting	1 in to 17 in	(64.49 + 4.13x 10^{-1}L) µin	Gauge Block Set Grade 00 Gauge Block Set Grade 0 Digital Indicator	MAHR MILLITAST 1085 BS 5317	F1, F2	F, O
Dimensional	Roughness Meters Ra	2.97 µm to 3.1 µm	0.11 µm	Roughness Specimen Mitutoyo 178-602	ISO 4288	F1, F2	F, O
Dimensional	Roughness Meters Ra	117 µin to 122 µin	0.11 µm	Roughness Specimen Mitutoyo 178-602	ISO 4288	F1, F2	F, O
Dimensional	Laser Micrometers	0.023 8 in to 0.500 5 in	25 µin	Master Pin XX	LCT-DI-035	F1, F3	F, O
Dimensional	Laser Micrometers	0.933 3 in to 2.781 in	32 µin	Master Pin XX	LCT-DI-035	F1, F3	F, O
Thermodynamic	Humidity Measurement and Generator Devices	20 % RH to 90 % RH	0.35 % of reading + 0.42 % RH	Vaisala MI70 with HMP76 and Humidity Chamber Generator	CEM TH-007	F1, F2	F, O

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Thermodynamic	Temperature Measurement and Generator Devices	-50 °C to 20 °C	0.14 % of reading + 0.21 °C	Vaisala MI70 with HMP76 and Temperature Chamber Generator	CENAM Technical Guide	F1, F2	F, O
Thermodynamic	Temperature Measurement and Generator Devices	20 °C to 120 °C	0.1 % of reading + 0.16 °C	Vaisala MI70 with HMP76 and Temperature Chamber Generator	CENAM Technical Guide	F1, F2	F, O
Thermodynamic	Oven	30 °C to 150 °C	0.089 % of reading	Omega CL3515R Temperature Simulator and Reader, Type K Thermal Probe Specification and Temperature-Electromotive Force	CENAM Technical Guide	F1, F2	F, O
Thermodynamic	Oven	151 °C to 1 345 °C	0.026 % of reading	Omega CL3515R Temperature Simulator and Reader, Type K Thermal Probe Specification and Temperature-Electromotive Force	CENAM Technical Guide	F1, F2	F, O
Thermodynamic	Infrared Pyrometers	50 °C to 500 °C	0.17 °C	Black Body Reed BX-500	CENAM Technical Guide	F1, F2	F, O
Mass, Force and Weighing Devices	Equipment Measuring Force (Tension)	0.001 N to 49 N	0.2 % of reading	Dead Weight F Rice Lake Mod: 1 mg-5 kg	ISO 7500-1	F1, F2	F, O

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Mass, Force and Weighing Devices	Equipment Measuring Force (Tension)	2 kN to 22 kN	0.5 % of reading	Force Gauge Dillon Mod: EDxtreme	ISO 7500-1	F1, F2	O
Mass, Force and Weighing Devices	Equipment Measuring Force (Tension)	4 kN to 44 kN	0.3 % of reading	Load Cell Transducer Techniques Mod: SW0-20K	ISO 7500-1	F1, F2	O
Mass, Force and Weighing Devices	Equipment Measuring Force (Compression)	0.001 N to 49 N	0.2 % of reading	Dead Weight F Rice Lake Mod: 1 mg-5 kg	ISO 7500-1	F1, F2	F, O
Mass, Force and Weighing Devices	Equipment Measuring Force (Compression)	2 kN to 22 kN	0.5 % of reading	Force Gauge Dillon Mod: EDxtreme	ISO 7500-1	F1, F2	O
Mass, Force and Weighing Devices	Equipment Measuring Force (Compression)	4 kN to 44 kN	0.3 % of reading	Load Cell Transducer Techniques Mod: SW0-20K	ISO 7500-1	F1, F2	O
Mass, Force and Weighing Devices	Force Gage (Tension & Compression)	20 lbf to 200 lbf	0.18 % of reading	Load Cell Optima-312	ISO 7500-1	F1, F2	F, O
Mass, Force and Weighing Devices	Force Gage (Tension & Compression)	50 lbf to 500 lbf	0.1 % of reading	Load Cell Optima-312	ISO 7500-1	F1, F2	F, O
Mass, Force and Weighing Devices	Force Gage (Tension & Compression)	200 lbf to 2 000 lbf	0.1 % of reading	Load Cell Optima-312	ISO 7500-1	F1, F2	F, O
Mass, Force and Weighing Devices	Force Gage (Tension & Compression)	1 000 lbf to 10 000 lbf	0.13 % of reading	Load Cell Optima-312	ISO 7500-1	F1, F2	F, O

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Mass, Force and Weighing Devices	Force Gage (Tension & Compression)	2 000 lbf to 20 000 lbf	0.09 % of reading	Load Cell Optima-312	ISO 7500-1	F1, F2	F, O
Mass, Force and Weighing Devices	Scales and Balances	1 mg to 500 mg	$(1.4 \times 10^{-4} + 7. \times 10^{-6}Wt)$ mg	Class F1 Weighs Rice Like Mod:	Euramet cg-18	F1, F2	O
Mass, Force and Weighing Devices	Scales and Balances	1 g to 500 g	$(5 \times 10^{-4} + 2 \times 10^{-4}Wt)$ g	Class F1 Weighs Rice Like Mod:	Euramet cg-18	F1, F2	O
Mass, Force and Weighing Devices	Scales and Balances	1 kg to 15 kg	$(2.2 \times 10^{-4} + 5 \times 10^{-4}Wt)$ kg	Class F1 Weighs Rice Like Mod:	Euramet cg-18	F1, F2	O
Mass, Force and Weighing Devices	Scales and Balances	10 kg to 1 000 kg	$(0.58+ 2.5x\ 10^{-6}Wt)$ kg	Class M1 Weights Esher	Euramet cg-18	F1, F2	O
Time and Frequency	Timers	5 s to 23 h: 59 min: 599 s	0.06 s	Digital Stopwatch	NIST 960-12	F1, F2	F, O
Time and Frequency	Tachometers	30 rpm to 20 000 rpm	0.012 % of reading + 0.014 rpm	Nova-Strobe dax MONARCH	SAE AS 432B	F1, F2	F, O
Time and Frequency	Equipment to Measure rpm (Optical)	10 rpm to 99 999 rpm	0.059 % of reading + 0.12 rpm	Tachometer Extech 461995	ISO 2954	F1, F2	F, O
Time and Frequency	Equipment to Measure rpm (Contact)	0.5 rpm to 19 999 rpm	0.011 % of reading + 0.014 rpm	Tachometer Extech 461995	ISO 2954	F1, F2	F, O
Time and Frequency	Equipment to Output Frequency	0.1 Hz to 1 kHz	0.009 % of reading	Frequency Counter BK Precision 1856D	Euramet cg-07 Euramet cg-15	F1, F2	F, O
Time and Frequency	Equipment to Output Frequency	1.1 kHz to 10 kHz	0.001 5 % of reading	Frequency Counter BK Precision 1856D	Euramet cg-07 Euramet cg-15	F1, F2	F, O

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Time and Frequency	Equipment to Output Frequency	10.1 kHz to 100 kHz	0.000 15 % of reading	Frequency Counter BK Precision 1856D	Euramet cg-07 Euramet cg-15	F1, F2	F, O
Time and Frequency	Equipment to Output Frequency	100.1 kHz to 1 MHz	0.015 % of reading	Frequency Counter BK Precision 1856D	Euramet cg-07 Euramet cg-15	F1, F2	F, O
Time and Frequency	Equipment to Output Frequency	1.1 MHz to 10 MHz	0.001 5 % of reading	Frequency Counter BK Precision 1856D	Euramet cg-07 Euramet cg-15	F1, F2	F, O
Time and Frequency	Equipment to Output Frequency	10.1 MHz to 100 MHz	0.001 5 % of reading	Frequency Counter BK Precision 1856D	Euramet cg-07 Euramet cg-15	F1, F2	F, O
Time and Frequency	Equipment to Output Frequency	100.1 MHz to 3.5 GHz	0.004 % of reading	Frequency Counter BK Precision 1856D	Euramet cg-07 Euramet cg-15	F1, F2	F, O
Time and Frequency	Equipment to Measure Frequency	0.01 Hz to 1 MHz	0.000 25 % of reading + 0.000 005 Hz	Osciloscope Calibrator Fluke 5800A	LCT-PROC-OSCIL	F1, F3	F, O
Time and Frequency	Equipment to Measure Frequency	1 kHz to 1 MHz	0.000 033 % of reading	Osciloscope Calibrator Fluke 5800A	LCT-PROC-OSCIL	F1, F3	F, O
Time and Frequency	Equipment to Measure Time Marker Function (Spike or Square)	0.05 s to 5 s	0.000 25 % of reading	Osciloscope Calibrator Fluke 5800A	LCT-PROC-OSCIL	F1, F3	F, O
Time and Frequency	Equipment to Measure Time Marker Function (Spike or Square)	0.0001 ms to 20 ms	0.000 033 % of reading	Osciloscope Calibrator Fluke 5800A	LCT-PROC-OSCIL	F1, F3	F, O

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Time and Frequency	Equipment to Measure Time Marker Function (Spike or Square)	20 ns to 50 ns	0.000 033 % of reading	Osciloscope Calibrator Fluke 5800A	LCT-PROC-OSCIL	F1, F3	F, O
Time and Frequency	Equipment to Measure Time Marker Function (Spike or Square)	10 ns	0.000 033 % of reading	Osciloscope Calibrator Fluke 5800A	LCT-PROC-OSCIL	F1, F3	F, O
Time and Frequency	Equipment to Measure Time Marker Function (Spike or Square)	2 ns to 5 ns	0.000 033 % of reading	Osciloscope Calibrator Fluke 5800A	LCT-PROC-OSCIL	F1, F3	F, O
Time and Frequency	Equipment to Measure Time Marker Function (Spike or Square)	0.000 5 ns to 2 ns	0.000 033 % of reading	Osciloscope Calibrator Fluke 5800A	LCT-PROC-OSCIL	F1, F3	F, O
Time and Frequency	Equipment to Measure Pulse	0.01 Hz to 1 MHz	0.000 25 % of reading + 0.000 005 Hz	Osciloscope Calibrator Fluke 5800A	LCT-PROC-OSCIL	F1, F3	F, O
Mechanical	Indirect Verification of Rockwell Hardness Tester HRC	20 HRC to 39 HRC	0.3 HRC	Rockwell Standardized Hardness Test Block	ASTM E18	F1, F2	O
Mechanical	Indirect Verification of Rockwell Hardness Tester HRC	40 HRC to 59 HRC	0.19 HRC	Rockwell Standardized Hardness Test Block	ASTM E18	F1, F2	O
Mechanical	Indirect Verification of Rockwell Hardness Tester HRC	60 HRC to 68 HRC	0.18 HRC	Rockwell Standardized Hardness Test Block	ASTM E18	F1, F2	O
Mechanical	Indirect Verification of Rockwell Hardness Tester HRBW	10 HRBW to 50 HRBW	0.47 HRBW	Rockwell Standardized Hardness Test Block	ASTM E18	F1, F2	O

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Mechanical	Indirect Verification of Rockwell Hardness Tester HRBW	51 HRBW to 79 HRBW	0.32 HRBW	Rockwell Standardized Hardness Test Block	ASTM E18	F1, F2	O
Mechanical	Indirect Verification of Rockwell Hardness Tester HRBW	80 HRBW to 100 HRBW	0.32 HRBW	Rockwell Standardized Hardness Test Block	ASTM E18	F1, F2	O
Mechanical	Pressure gages, Transducer and Manometer	1 inH_2O to 254 inH_2O	0.011 % of reading + 0.02 inH_2O	AMETEK PK2-254WC-SS	ASME B40 100	F1, F2	F, O
Mechanical	Pressure gages, Transducer and Manometer	1.5 psi to 15 psi	0.003 psi	FLUKE 2700 BG100K	ASME B40 100	F1, F2	F, O
Mechanical	Pressure gages, Transducer and Manometer	3 psi to 30 psi	0.006 psi	FLUKE 2700 - BG200K	ASME B40 100	F1, F2	F, O
Mechanical	Pressure gages, Transducer and Manometer	10 psi to 100 psi	0.02 psi	FLUKE 2700- BG700K	ASME B40 100	F1, F2	F, O
Mechanical	Pressure gages, Transducer and Manometer	30 psi to 300 psi	0.06 psi	FLUKE 2700G- BG2M	ASME B40 100	F1, F2	F, O
Mechanical	Pressure gages, Transducer and Manometer	50 psi to 500 psi	0.1 psi	Fluke 2700- BG3.5M	ASME B40 100	F1, F2	F, O

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Mechanical	Pressure Gages, Transducer and Manometer	100 psi to 1 000 psi	0.2 psi	Fluke 2700-GBG7M	ASME B40 100	F1, F2	F, O
Mechanical	Pressure Gages, Transducer and Manometer	300 psi to 3 000 psi	0.6 psi	Fluke 2700-G-G20M	ASME B40 100	F1, F2	F, O
Mechanical	Pressure Gages, Transducer and Manometer	500 psi to 5 000 psi	1 psi	Fluke 2700-G -G35M	ASME B40 100	F1, F2	F, O
Mechanical	Pressure Gages, Transducer and Manometer	1 000 psi to 10 000 psi	2 psi	Fluke 2700-G -G70M	ASME B40 100	F1, F2	F, O
Mechanical	Vacuum Gage, Vacuum Transducer and Vaccuometers	-1.5 psi to -15 psi	0.007 5 psi	Fluke 2700-BG100K	ASME B40 100	F1, F2	F, O
Mechanical	Safety Valve	1.5 psi to 15 psi	0.003 psi	Fluke 2700-BG100K	NOM-093-SCFI	F1, F2	F, O
Mechanical	Safety Valve	3 psi to 30 psi	0.006 psi	Fluke 2700-BG200K	NOM-093-SCFI	F1, F2	F, O
Mechanical	Safety Valve	10 psi to 100 psi	0.02 psi	Fluke 2700- BG700K	NOM-093-SCFI	F1, F2	F, O
Mechanical	Safety Valve	30 psi to 300 psi	0.06 psi	Fluke 2700-G-BG2M	NOM-093-SCFI	F1, F2	F, O
Mechanical	Safety Valve	50 psi to 500 psi	0.1 psi	Fluke 2700- BG3.5M	NOM-093-SCFI	F1, F2	F, O
Mechanical	Safety Valve	100 psi to 1 000 psi	0.2 psi	Fluke 2700- G-GBG7M	NOM-093-SCFI	F1, F2	F, O
Mechanical	Safety Valve	300 psi to 3 000 psi	0.6 psi	Fluke 2700-G-G20M	NOM-093-SCFI	F1, F2	F, O
Mechanical	Safety Valve	500 psi to 5 000 psi	1 psi	Fluke 2700- G-G35M	NOM-093-SCFI	F1, F2	F, O
Mechanical	Safety Valve	1 000 psi to 10 000 psi	2 psi	Fluke 2700-G-G70M	NOM-093-SCFI	F1, F2	F, O

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Galeana # 619, Col. Moderna
Matamoros, Tamaulipas, México. C.P. 87300
Contact Name: Juan Guerrero Gonzalez Phone: 868-111-3039

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Mechanical	Air flow	5 sscm to 500 sscm	0.8 % + 1 sccm	ALICAT 500 SCCM Flow Meter	NIST SP 250-38	F1, F2	F, O
Mechanical	Torque Analyzer	2 oz•in to 50 oz•in	0.057 % of reading + 0.000 22 ozf•in	Weight ASTM Class E 6-7 Wheel 1 in Mountz	ASTM E 2624	F1, F2	F, O
Mechanical	Torque Analyzer	1 lb•in to 260 lb•in	0.014 % of reading + 0.000 12 lbf•in	Weight ASTM Class E 6-7 Wheel 4 in Mountz	ASTM E 2624	F1, F2	F, O
Mechanical	Torque Tool	2 ozf•in to 20 ozf•in	0.006 3 % of reading + 0.003 8 ozf•in	LTT-2100 and BMX 20Z	ASME B107.300	F1, F2	F, O
Mechanical	Torque Tool	1 lbf•in to 10 lbf•in	0.003 % of reading + 0.000 38 lbf•in	LTT-2100 and BMX 10i (RDA100i)	ASME B107.300	F1, F2	F, O
Mechanical	Torque Tool	5 lbf•in to 50 lbf•in	0.005 5 % of reading + 0.0002 2 lbf•in	LTT-2100 and BMX 50i (RDA100i)	ASME B107.300	F1, F2	F, O
Mechanical	Torque Tool	25 lbf•in to 250 lbf•in	0.005 9 % of reading	LTT-2100 and BMX 250i (RDA 100i)	ASME B107.300	F1, F2	F, O
Mechanical	Torque Tool	75 lbf•in to 750 lbf•in	0.005 9 % of reading + 0.000 2 lbf•in	LTT-2100 and BMX 750 i	ASME B107.300	F1, F2	F, O
Mechanical	Torque Tool	50 lbf•ft- 500 lbf•ft	0.006 % of reading	LTT-2100 and BMX 500 F	ASME B107.300	F1, F2	F, O
Chemical	Kinematic Viscosity Zahn Cups No. 2	19 cSt a 156 cSt	0.15 % of reading	Canon Certified Viscosity Standard C60 and C200 Chronometer Casio Thermohygrometer Fluke 971	ASTM D4212	F1, F2	F

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Chemical	Kinematic Viscosity Zahn Cups No. 3	64 cSt a 596 cSt	0.47 % of reading	Canon Certified Viscosity Standard C60 and C200 Chronometer Casio Thermohygrometer Fluke 971	ASTM D4212	F1, F2	F
Chemical	Kinematic Viscosity Zahn Cups No. 4	79 cSt a 784 cSt	0.47 % of reading	Canon Certified Viscosity Standard C60 and C200 Chronometer Casio Thermohygrometer Fluke 971	ASTM D4212	F1, F2	F
Chemical	Kinematic Viscosity Zahn Cups No. 5	161 cSt a 1 401 cSt	0.47 % of reading	Canon Certified Viscosity Standard C60 and C200 Chronometer Casio Thermohygrometer Fluke 971	ASTM D4212	F1, F2	F
Chemical	pH Meter	4 pH to 10 pH	0.035 pH	pH Calibrations Buffers	NMX-CH-068	F1, F2	F
Chemical	Conductivity (Fixed Points)	84 mS/cm	0.5 mS/cm	Buffer, Analytic Solution	NMX-CH-068	F1, F2	F
Chemical	Conductivity (Fixed Points)	1 413 mS/cm	0.5 mS/cm	Buffer, Analytic Solution	NMX-CH-068	F1, F2	F
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 385, 100 Ω	-200 °C to -80 °C	0.05 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O

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Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 385, 100 Ω	-80 °C to 0 °C	0.05 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 385, 100 Ω	0 °C to 100 °C	0.07 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 385, 100 Ω	100 °C to 300 °C	0.09 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 385, 100 Ω	300 °C to 400 °C	0.1 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 385, 100 Ω	400 °C to 630 °C	0.12 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O

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Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 385, 100 Ω	630 °C to 800 °C	0.23 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 3926, 100 Ω	-200 °C to -80 °C	0.05 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 3926, 100 Ω	-80 °C to 0 °C	0.05 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 3926, 100 Ω	0 °C to 100 °C	0.07 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 3926, 100 Ω	100 °C to 300 °C	0.09 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O

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Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 3926, 100 Ω	300 °C to 400 °C	0.1 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 3926, 100 Ω	400 °C to 630 °C	0.12 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 3916, 100 Ω	-200 °C to -190 °C	0.25 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 3916, 100 Ω	-190 °C to -80	0.04 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 3916, 100 Ω	-80 °C to 0 °C	0.05 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O

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Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 3916, 100 Ω	0 °C to 100 °C	0.06 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 3916, 100 Ω	100 °C to 260 °C	0.07 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 3916, 100 Ω	260 °C to 300 °C	0.08 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 3916, 100 Ω	300 °C to 400 °C	0.09 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 3916, 100 Ω	400 °C to 600 °C	0.1 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O

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Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 3916, 100 Ω	600 °C to 630 °C	0.23 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 385, 200 Ω	-200 °C to – 80 °C	0.04 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 385, 200 Ω	-80 °C to 0 °C	0.04 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 385, 200 Ω	0 °C to 100 °C	0.04 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 385, 200 Ω	100 °C to 260 °C	0.05 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O

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Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 385, 200 Ω	260 °C to 300 °C	0.12 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 385, 200 Ω	300 °C to 400 °C	0.13 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 385, 200 Ω	400 °C to 600 °C	0.14 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 385, 200 Ω	600 °C to 630 °C	0.16 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 385, 500 Ω	-200 °C to -80 °C	0.04 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O

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Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 385, 500 Ω	-80 °C to 0 °C	0.05 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 385, 500 Ω	0 °C to 100 °C	0.05 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 385, 500 Ω	100 °C to 260 °C	0.06 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 385, 500 Ω	260 °C to 300 °C	0.08 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 385, 500 Ω	300 °C to 400 °C	0.08 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O

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Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 385, 500 Ω	400 °C to 600 °C	0.09 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 385, 500 Ω	600 °C to 630 °C	0.11 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 385, 1 000 Ω	-200 °C to -80 °C	0.03 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 385, 1 000 Ω	-80 °C to 0 °C	0.03 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F,O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 385, 1 000 Ω	0 °C to 100 °C	0.04 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O

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Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 385, 1 000 Ω	100 °C to 260 °C	0.05 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 385, 1 000 Ω	260 °C to 300 °C	0.06 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 385, 1 000 Ω	300 °C to 400 °C	0.07 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 385, 1 000 Ω	400 °C to 600 °C	0.07 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt 385, 1 000 Ω	600 °C to 630 °C	0.23 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O

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Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt Ni 385, 120 Ω	-80 °C to 0 °C	0.08 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt Ni 385, 120 Ω	0 °C to 100 °C	0.08 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Pt Ni 385, 120 Ω	100 °C to 260	0.14 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with RTD Cu 427, 10 Ω	-100 °C to 260 °C	0.3 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type B	600 °C to 800 °C	0.44 °C	Fluke 5522A Electrical Simulation of RTD Output	ASTM E 1137/ E1137M	F1, F2	F, O

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Contact Name: Juan Guerrero Gonzalez Phone: 868-111-3039

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Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type B	800 °C to 1 000 °C	0.34 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type B	1 000 °C to 1 550 °C	0.3 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type B	1 550 °C to 1 820 °C	0.33 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type C	0 °C to 150 °C	0.3 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type C	150 °C to 650 °C	0.26 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O

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Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type C	650 °C to 1 000 °C	0.31 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type C	1 000 °C to 1 800 °C	0.5 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type C	1 800 °C to 2 316 °C	0.84 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type E	-250 °C to -100 °C	0.5 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type E	-100 °C to -25 °C	0.16 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O

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Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type E	-25 °C to 350 °C	0.14 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type E	350 °C to 650 °C	0.16 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type E	650 °C to 1 000 °C	0.21 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type J	-250 °C to -100 °C	0.27 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type J	-100 °C to -30 °C	0.16 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O

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Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type J	-30 °C to 150 °C	0.14 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type J	150 °C to 760 °C	0.17 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type J	760 °C to 1 200 °C	0.23 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type K	-200 °C to -100 °C	0.33 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type K	-100 °C to -25 °C	0.18 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O

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Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type K	-25 °C to 120 °C	0.16 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type K	120 °C to 1 000 °C	0.26 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type K	1 000 °C to 1 372 °C	0.4 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type L	-200 °C to -100 °C	0.43 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type L	100 °C to 800 °C	0.3 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O

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Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type L	800 °C to 900 °C	0.21 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type N	-200 °C to -100 °C	0.4 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type N	-100 °C to -25 °C	0.22 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type N	-25 °C to 120 °C	0.19 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type N	120 °C to 410 °C	0.18 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O

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Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type N	410 °C to 1 300 °C	0.27 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type R	0 °C to 250 °C	0.57 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type R	250 °C to 400 °C	0.35 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type R	400 °C to 1 000 °C	0.33 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type R	1 000 °C to 1 767 °C	0.44 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O

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Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type S	0 °C to 250 °C	0.47 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type S	250 °C to 1 000 °C	0.36 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type S	1 000 °C to 1 400 °C	0.37 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type S	1 400 °C to 1 767 °C	0.46 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type T	-250 °C to -150 °C	0.63 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O

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Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type T	-150 °C to 0 °C	0.24 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type T	0 °C to 120 °C	0.16 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type T	120 °C to 400 °C	0.14 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type U	-200 °C to 0 °C	0.56 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Electrical Simulation of Temperature Calibration, Indication, and Control Equipment used with Thermocouple Type U	0 °C to 600 °C	0.27 °C	Fluke 5522A Electrical Simulation of Thermocouple Output	ASTM E 1137/ E1137M	F1, F2	F, O
Electrical	Equipment to Measure DC Voltage	1 mV to 330 mV	0.002 % of reading + 1 µV	Fluke 5522A	Euramet cg-15	F1, F2	F, O

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Electrical	Equipment to Measure DC Voltage	0.33 V to 3.30 V	0.001 1 % of reading + 2 µV	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure DC Voltage	3.3 V to 33.0 V	0.001 2 % of reading + 20 µV	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure DC Voltage	33 V to 330 V	0.001 8 % of reading + 0.15 mV	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure DC Voltage	330 V to 1020 V	0.001 8 % of reading + 1.5 mV	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure DC Current	1 µA to 330 µA	0.015 % of reading + 20 nA	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure DC Current	0.330 mA to 3.30 mA	0.01 % of reading + 50 nA	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure DC Current	3.3 mA to 33 mA	0.01 % of reading + 0.25 µA	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure DC Current	33 mA to 330 mA	0.01 % of reading + 2.5 µA	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure DC Current	0.33 A to 1.1 A	0.02 % of reading + 40 µA	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure DC Current	1.1 A to 3.30 A	0.038 % of reading + 40 µA	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure DC Current	3 A to 11 A	0.05 % of reading + 0.5 mA	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure DC Current	11 A to 20.5 A	0.1 % of reading + 7.5 mA	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure DC Current	10 A to 16.5 A	0.25 % of reading + 3 mA	Fluke 5522A with 5500 coil	Euramet cg-15	F1, F2	F, O

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Electrical	Equipment to Measure DC Current	16.5 A to 55 A	0.25 % of reading + 0.015 A	Fluke 5522A with 5500 coil	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure DC Current	55 A to 150 A	0.25 % of reading + 0.15 A	Fluke 5522A with 5500 coil	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure DC Current	150 A to 550 A	0.25 % of reading + 0.05 A	Fluke 5522A with 5500 coil	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure Resistance	10 mΩ to 11 Ω	0.004 % of reading + 1 mΩ	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure Resistance	11 Ω to 33 Ω	0.003 % of reading + 1.5 µΩ	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure Resistance	33 Ω to 110 Ω	0.002 8 % of reading + 1.4 µV	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure Resistance	110 Ω to 330 Ω	0.002 8 % of reading + 2 µΩ	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure Resistance	0.330 kΩ to 1.1 kΩ	0.002 8 % of reading + 2 mΩ	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure Resistance	1.1 kΩ to 3.3 kΩ	0.002 8 % of reading + 20 mΩ	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure Resistance	3.3 kΩ to 11 kΩ	0.002 8 % of reading + 20 mΩ	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure Resistance	11 kΩ to 33 kΩ	0.002 8 % of reading + 0.2 Ω	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure Resistance	33 kΩ to 110 kΩ	0.002 8 % of reading + 0.2 Ω	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure Resistance	110 kΩ to 330 kΩ	0.003 2% of reading + 2 Ω	Fluke 5522A	Euramet cg-15	F1, F2	F, O

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Electrical	Equipment to Measure Resistance	0.33 MΩ to 1.1 MΩ	0.003 2 % of reading + 2 Ω	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure Resistance	1.1 MΩ to 3.3 MΩ	0.006 % of reading + 30 Ω	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure Resistance	3.3 MΩ to 11 MΩ	0.013 % of reading + 50 Ω	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure Resistance	11 MΩ to 33 MΩ	0.025 % of reading + 2.5 kΩ	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure Resistance	33 MΩ to 110 MΩ	0.05 % of reading + 3 kΩ	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure Resistance	110 MΩ to 330 MΩ	0.3 % of reading + 0.1 MΩ	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure Resistance	0.33 GΩ a 1.100 GΩ	1.5 % of reading + 0.5 MΩ	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 10 Hz to 45 Hz)	1 mV to 33 mV	0.08 % of reading + 6 µV	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 45 Hz to 10 kHz)	1 mV to 33 mV	0.015 % of reading + 6 µV	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 10 kHz to 20 kHz)	1 mV to 33 mV	0.02 % of reading + 6 µV	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 20 kHz to 50 kHz)	1 mV to 33 mV	0.1 % of reading + 6 µV	Fluke 5522A	Euramet cg-15	F1, F2	F, O

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Galeana # 619, Col. Moderna
Matamoros, Tamaulipas, México. C.P. 87300
Contact Name: Juan Guerrero Gonzalez Phone: 868-111-3039

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

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Electrical	Equipment to Measure AC Voltage (@ 50 kHz to 100 kHz)	1 mV to 33 mV	0.35 % of reading + 12 µV	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 100 kHz to 500 kHz)	1 mV to 33 mV	0.8 % of reading + 50 µV	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 10 Hz to 45 Hz)	33 mV to 330 mv	0.03 % of reading + 8 µV	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 45 Hz to 10 kHz)	33 mV to 330 mv	0.015% of reading + 8 µV	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 10 kHz to 20 kHz)	33 mV to 330 mv	0.016 % of reading + 8 µV	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 20 kHz to 50 kHz)	33 mV to 330 mv	0.035 % of reading + 8 µV	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 50 kHz to 100 kHz)	33 mV to 330 mv	0.08 % of reading + 32 µV	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 100 kHz to 500 kHz)	33 mV to 330 mv	0.2 % of reading + 70 µV	Fluke 5522A	Euramet cg-15	F1, F2	F, O

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Electrical	Equipment to Measure AC Voltage (@ 10 Hz to 45 Hz)	0.33 V to 3.3 V	0.03 % of reading + 50 µV	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 45 Hz to 10 kHz)	0.33 V to 3.3 V	0.015 % of reading + 60 µV	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 10 kHz to 20 kHz)	0.33 V to 3.3 V	0.019 % of reading + 60 µV	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 20 kHz to 50 kHz)	0.33 V to 3.3 V	0.03 % of reading + 50 µV	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 50 kHz to 100 kHz)	0.33 V to 3.3 V	0.07 % of reading + 0.13 mV	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 100 kHz to 500 kHz)	0.33 V to 3.3 V	0.24 % of reading + 0.6 mV	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 10 Hz to 45 Hz)	3.3 V to 33 V	0.03 % of reading + 0.65 mV	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 45 Hz to 10 kHz)	3.3 V to 33 V	0.015 % of reading + 0.6 mV	Fluke 5522A	Euramet cg-15	F1, F2	F, O

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Electrical	Equipment to Measure AC Voltage (@ 10 kHz to 20 kHz)	3.3 V to 33 V	0.024 % of reading + 0.6 mV	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 20 kHz to 50 kHz)	3.3 V to 33 V	0.035 % of reading + 0.6 mV	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 50 kHz to 100 kHz)	3.3 V to 33 V	0.09 % of reading + 1.6 mV	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 45 Hz to 1 kHz	33 V to 330	0.019 % of reading + 2 mV	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 1 kHz to 10 kHz	33 V to 330	0.02 % of reading + 6 mV	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 10 kHz to 20 kHz	33 V to 330	0.025 % of reading + 6 mV	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 20 kHz to 50 kHz	33 V to 330	0.03 % of reading + 6 mV	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 50 kHz to 100 kHz	33 V to 330	0.2 % of reading + 50 mV	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to measure AC Voltage (@ 45 Hz to 1 kHz)	330 V to 1 020 V	0.03 % of reading + 10 mV	Fluke 5522A	Euramet cg-15	F1, F2	F, O

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Electrical	Equipment to measure AC Voltage (@ 1 kHz to 5 kHz)	330 V to 1 020 V	0.025 % of reading + 10 mV	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to measure AC Voltage (@ 5 kHz to 10 kHz)	330 V to 1 020 V	0.03 % of reading + 10 mV	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 10 Hz to 20 Hz)	29 µA to 330 µA	0.2 % of reading + 0.1 µA	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 20 Hz to 45 Hz)	29 µA to 330 µA	0.15 % of reading + 0.1 µA	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 45 Hz to 1 kHz)	29 µA to 330 µA	0.125 % of reading + 0.1 µA	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 1 kHz to 5 kHz)	29 µA to 330 µA	0.3 % of reading + 0.15 µA	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 5 kHz to 10 kHz)	29 µA to 330 µA	0.8 % of reading + 0.2 µA	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 10 kHz to 30 kHz)	29 µA to 330 µA	1.6 % of reading + 0.4 µA	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 10 Hz to 20 Hz)	330 µA to 3.3 mA	0.2 % of reading + 0.15 µA	Fluke 5522A	Euramet cg-15	F1, F2	F, O

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Electrical	Equipment to Measure AC Current (@ 20 Hz to 45 Hz)	330 µA to 3.3 mA	0.15 % of reading + 0.15 µA	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 45 Hz to 1 kHz)	330 µA to 3.3 mA	0.125 % of reading + 0.15 µA	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 1 kHz to 5 kHz)	330 µA to 3.3 mA	0.3 % of reading + 0.2 µA	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 5 kHz to 10 kHz)	330 µA to 3.3 mA	0.8 % of reading + 0.3 µA	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 10 kHz to 30 kHz)	330 µA to 3.3 mA	1.6 % of reading + 0.6 µA	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 10 Hz to 20 Hz)	3.3 mA to 33 mA	0.18 % of reading + 2 µA	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 20 Hz to 45 Hz)	3.3 mA to 33 mA	0.09 % of reading + 2 µA	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 45 Hz to 1 kHz)	3.3 mA to 33 mA	0.04 % of reading + 2 µA	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 1 kHz to 5 kHz)	3.3 mA to 33 mA	0.08 % of reading + 2 µA	Fluke 5522A	Euramet cg-15	F1, F2	F, O

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Electrical	Equipment to Measure AC Current (@ 5 kHz to 10 kHz)	3.3 mA to 33 mA	0.2 % of reading + 3 µA	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 10 kHz to 30 kHz)	3.3 mA to 33 mA	0.4 % of reading + 4 µA	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 10 Hz to 20 Hz)	33 mA to 330 mA	0.18 % of reading + 20 µA	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 20 Hz to 45 Hz)	33 mA to 330 mA	0.09 % of reading + 20 µA	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 45 Hz to 1 kHz)	33 mA to 330 mA	0.04 % of reading + 20 µA	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 1 kHz to 5 kHz)	33 mA to 330 mA	0.1 % of reading + 50 µA	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 5 kHz to 10 kHz)	33 mA to 330 mA	0.2 % of reading + 0.1 mA	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 10 kHz to 30 kHz)	33 mA to 330 mA	0.4 % of reading + 0.2 mA	Fluke 5522A	Euramet cg-15	F1, F2	F, O

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Electrical	Equipment to Measure AC Current (@ 10 kHz to 45 Hz)	330 mA to 1.1 A	0.18 % of reading + 0.1 mA	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 45 Hz to 1 kHz)	330 mA to 1.1 A	0.05 % of reading + 0.1 mA	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 1 kHz to 5 kHz)	330 mA to 1.1 A	0.6 % of reading + 1 mA	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 5 kHz to 10 kHz)	330 mA to 1.1 A	2.5 % of reading + 5 mA	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 10 kHz to 45 Hz)	1.1 A to 3 A	0.18 % of reading + 0.1 mA	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 45 Hz to 1 kHz)	1.1 A to 3 A	0.05 % of reading + 0.1 mA	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 1 kHz to 5 kHz)	1.1 A to 3 A	0.6 % of reading + 1 mA	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 5 kHz to 10 kHz)	1.1 A to 3 A	2.5 % of reading + 5 mA	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 45 kHz to 100 Hz)	3 A to 11 A	0.06 % of reading + 2 mA	Fluke 5522A	Euramet cg-15	F1, F2	F, O

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Electrical	Equipment to Measure AC Current (@ 100 Hz to 1 kHz)	3 A to 11 A	0.1 % of reading + 2 mA	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 1 kHz to 5 kHz)	3 A to 11 A	3 % of reading + 2 mA	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 45 kHz to 100 Hz)	11 A to 20.5 A	0.12 % of reading + 5 mA	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 100 Hz to 1 kHz)	11 A to 20.5 A	0.15 % of reading + 5 mA	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 1 kHz to 5 kHz)	11 A to 20.5 A	3 % of reading + 5 mA	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Current (with Coil) (@ 45 Hz to 65 Hz)	10 A to 16.5 A	0.28 % of reading + 3 mA	Fluke 5522A with 5500 Coil	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Current (with Coil) (@ 45 Hz to 65 Hz)	16.5 A to 150 A	0.28 % of reading + 25 mA	Fluke 5522A with 5500 Coil	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Current (with Coil) (@ 45 Hz to 65 Hz)	150 A to 1 025 A	0.28 % of reading + 90 mA	Fluke 5522A with 5500 Coil	Euramet cg-15	F1, F2	F, O

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Electrical	Equipment to Measure AC Current (with Coil) (@65 Hz to 440 Hz)	10 A to 16.5 A	0.79 % of reading + 3 mA	Fluke 5522A with 5500 Coil	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Current (with Coil) (@65 Hz to 440 Hz)	16.5 A to 150 A	0.79 % of reading + 27 mA	Fluke 5522A with 5500 Coil	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure AC Current (with Coil) (@65 Hz to 440 Hz)	150 A to 1 025 A	0.79 % of reading + 27 mA	Fluke 5522A with 5500 Coil	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure Capacitance (@ 10 Hz to 10 kHz)	220 pF to 399.9 pF	0.5 % of reading + 10 pF	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure Capacitance (@ 10 Hz to 10 kHz)	0.4 nF to 1.099 9 nF	0.5 % of reading + 0.01 nF	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure Capacitance (@ 10 Hz to 3 kHz)	1.1 nF to 3.299 9 nF	0.5 % of reading + 0.01 nF	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure Capacitance (@ 10 Hz to 1 kHz)	3.3 nF to 10.999 9 nF	0.25 % of reading + 0.01 nF	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure Capacitance (@ 10 Hz to 1 kHz)	11 nF to 32.999 9 nF	0.25 % of reading + 0.1 nF	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure Capacitance (@ 10 Hz to 1 kHz)	33 nF to 109.999 nF	0.25 % of reading + 0.1 nF	Fluke 5522A	Euramet cg-15	F1, F2	F, O

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Electrical	Equipment to Measure Capacitance (@ 10 Hz to 1 kHz)	110 nF to 329.999 nF	0.25 % of reading + 0.3 nF	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure Capacitance (@ 10 Hz to 600 Hz)	0.330 µF to 1.099 99 µF	0.25 % of reading + 1 nF	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure Capacitance (@ 10 Hz to 300 Hz)	1.1 µF to 3.299 99 µF	0.25 % of reading + 3 nF	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure Capacitance (@ 10 Hz to 1 500 Hz)	3.3 µF to 10.999 9 µF	0.25 % of reading + 10 nF	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure Capacitance (@ 10 Hz to 120 Hz)	11 µF to 32.999 9 µF	0.4 % of reading + 30 nF	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure Capacitance (@ 10 Hz to 80 Hz)	33 µF to 109.999 µF	0.45 % of reading + 100 nF	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure Capacitance (@ 10 Hz to 50 Hz)	110 µF to 329.999 µF	0.45 % of reading + 300 nF	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure Capacitance (@ 10 Hz to 20 Hz)	0.33 mF to 1.099 99 mF	0.45 % of reading + 1 µF	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure Capacitance (@10 Hz to 6 Hz)	1.1 mF to 3.299 99 mF	0.45 % of reading + 3 µF	Fluke 5522A	Euramet cg-15	F1, F2	F, O

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Electrical	Equipment to Measure Capacitance (@10 Hz to 2 Hz)	3.3 mF to 10.999 9 mF	0.45 % of reading + 10 µF	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure Capacitance (@10 Hz to 0.6 Hz)	11 mF to 32.999 9 mF	0.75 % of reading + 30 µF	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Measure Capacitance (@10 Hz to 0.2 Hz)	33 mF to 110 mF	1.1 % of reading + 100 µF	Fluke 5522A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Output DC voltage	1 mV to 200 mV	0.000 45 % of reading + 0.1 µV	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output DC voltage	0.2 V to 2 V	0.0003 % of reading + 0.4 µV	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output DC voltage	2 V to 20 V	0.000 3 % of reading + 4 µV	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output DC voltage	20 V to 200 V	0.000 45 % of reading + 40 µV	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output DC voltage	200 V to 1000 V	0.000 45 % of reading + 0.5 mV	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 1 Hz to 10 Hz)	1 mV to 200 mV	0.016 % of reading + 14 µV	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 10 Hz to 40 Hz)	1 mV to 200 mV	0.013 % of reading + 4 µV	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O

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Contact Name: Juan Guerrero Gonzalez Phone: 868-111-3039

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Electrical	Equipment to Output AC Voltage (@ 40 Hz to 100 Hz)	1 mV to 200 mV	0.01 % of reading + 4 µV	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 100 Hz to 2 kHz)	1 mV to 200 mV	0.01 % of reading + 2 µV	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 2 kHz to 10 kHz)	1 mV to 200 mV	0.01 % of reading + 4 µV	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 10 kHz to 30 kHz)	1 mV to 200 mV	0.03 % of reading + 8 µV	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 30 kHz to 100 kHz)	1 mV to 200 mV	0.07 % of reading + 20 µV	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 1 Hz to 10 Hz)	0.200 V to 2 V	0.014 % of reading + 0.12 mV	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 10 Hz to 40 Hz)	0.2 V to 2 V	0.01 % of reading + 20 µV	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 40 Hz to 100 Hz)	0.2 V to 2 V	0.008 5 % of reading + 20 µV	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O

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Electrical	Equipment to Output AC Voltage (@ 100 Hz to 2 kHz)	0.2 V to 2 V	0.006 5 % of reading + 20 µV	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 2 kHz to 10 kHz)	0.2 V to 2 V	0.008 5 % of reading + 20 µV	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 10 kHz to 30 kHz)	0.2 V to 2 V	0.02 % of reading + 40 µV	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 30 kHz to 100 kHz)	0.2 V to 2 V	0.05 % of reading + 0.2 mV	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 100 kHz to 300 kHz)	0.2 V to 2 V	0.3 % of reading + 2 mV	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 300 kHz to 1 MHz)	0.2 V to 2 V	1 % of reading + 20 mV	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 1 Hz to 10 Hz)	2 V to 20 V	0.014 % of reading + 1.2 mV	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 10 Hz to 40 Hz)	2 V to 20 V	0.01 % of reading + 0.2 mV	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 40 Hz to 100 Hz)	2 V to 20 V	0.008 5 % of reading + 0.2 mV	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O

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Electrical	Equipment to Output AC Voltage (@ 100 Hz to 2 kHz)	2 V to 20 V	0.006 5 % of reading + 0.2 mV	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 2 kHz to 10 kHz)	2 V to 20 V	0.008 5 % of reading + 0.2 mV	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 10 kHz to 30 kHz)	2 V to 20 V	0.02 % of reading + 0.4 mV	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 30 kHz to 100 kHz)	2 V to 20 V	0.05 % of reading + 2 mV	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 100 kHz to 300 kHz)	2 V to 20 V	0.3 % of reading + 20 mV	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 300 kHz to 1 MHz)	2 V to 20 V	1% of reading + 0.2 V	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 1 Hz to 10 Hz)	20 V to 200 V	0.014 % of reading + 12 mV	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 10 Hz to 40 Hz)	20 V to 200 V	0.01 % of reading + 2 mV	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 40 Hz to 100 Hz)	20 V to 200 V	0.008 5 % of reading + 2 mV	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O

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Electrical	Equipment to Output AC Voltage (@ 100 Hz to 2 kHz)	20 V to 200 V	0.006 5 % of reading + 2 mV	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 2 kHz to 10 kHz)	20 V to 200 V	0.008 5 % of reading + 2 mV	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 10 kHz to 30 kHz)	20 V to 200 V	0.02 % of reading + 4 mV	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 30 kHz to 100 kHz)	20 V to 200 V	0.05 % of reading + 20 mV	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 100 kHz to 300 kHz)	20 V to 200 V	0.3 % of reading + 200 mV	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 300 kHz to 1 MHz)	20 V to 200 V	1 % of reading + 2 V	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 1 Hz to 10 Hz)	20 V to 1000 V	0.014 % of reading + 70 mV	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 10 Hz to 40 Hz)	20 V to 1000 V	0.011 % of reading + 20 mV	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 40 Hz to 10 kHz)	20 V to 1000 V	0.009 5 % of reading + 20 mV	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O

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Electrical	Equipment to Output AC Voltage (@ 10 kHz to 30 kHz)	20 V to 1000 V	0.02 % of reading + 40 mV	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 30 kHz to 100 kHz)	20 V to 1000 V	0.051 % of reading + 0.2 V	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output DC Current	1 µA to 200 µA	0.001 2 % of reading + 0.4 nA	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output DC Current	0.200 mA to 2 mA	0.001 2 % of reading + 4 nA	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output DC Current	2 mA to 20 mA	0.001 3 % of reading + 40 nA	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output DC Current	20 mA to 200 mA	0.003 6 % of reading + 0.8 µA	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output DC Current	0.200 A to 2 A	0.017 % of reading + 16 µA	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output DC Current	2 A to 20 A	0.038 % of reading + 0.4 mA	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output DC Current (Indirect Method)	1 A to 100 A	0.034 % of reading	8 ½ Multimeter Fluke 8508A and Current Shunt	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output DC Current	20 A to 1000 A	2.016 % of reading + 0.5 A	Fluke 376 via Jaw	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 1 Hz to 10 Hz)	100 µA to 200 µA	0.025 % of reading + 0.02 µA	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O

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Electrical	Equipment to Output AC Voltage (@ 10 Hz to 10 kHz)	100 µA to 200 µA	0.025 % of reading + 0.02 µA	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 10 kHz to 30 kHz)	100 µA to 200 µA	0.06 % of reading + 0.02 µA	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 30 kHz to 100 kHz)	100 µA to 200 µA	0.4 % of reading + 0.02 µA	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 1 Hz to 10 Hz)	0.2 mA to 2 mA	0.025 % of reading + 0.2 µA	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 10 Hz to 10 kHz)	0.2 mA to 2 mA	0.025 % of reading + 0.2 µA	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 10 kHz to 30 kHz)	0.2 mA to 2 mA	0.06 % of reading + 0.02 µA	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 30 kHz to 100 kHz)	0.2 mA to 2 mA	0.4 % of reading + 0.2 µA	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 1 Hz to 10 Hz)	2 mA to 20 mA	0.025 % of reading + 2 µA	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O

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Electrical	Equipment to Output AC Voltage (@ 10 Hz to 10 kHz)	2 mA to 20 mA	0.025 % of reading + 2 µA	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 10 kHz to 30 kHz)	2 mA to 20 mA	0.06 % of reading + 2 µA	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 30 kHz to 100 kHz)	2 mA to 20 mA	0.4 % of reading + 2 µA	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 1 Hz to 10 Hz)	20 mA to 200 mA	0.025 % of reading + 20 µA	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 10 Hz to 10 kHz)	20 mA to 200 mA	0.025 % of reading + 20 µA	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 10 kHz to 30 kHz)	20 mA to 200 mA	0.06 % of reading + 20 µA	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 10 Hz to 2 kHz)	0.2 A to 2 A	0.06 % of reading + 200 µA	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 2 kHz to 10 kHz)	0.2 A to 2 A	0.07 % of reading + 200 µA	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 10 kHz to 30 kHz)	0.2 A to 2 A	0.3 % of reading + 200 µA	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O

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Electrical	Equipment to Output AC Voltage (@ 10 Hz to 2 kHz)	2 A to 20 A	0.08 % of reading + 2 mA	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 2 kHz to 10 kHz)	2 A to 20 A	0.25 % of reading + 2 mA	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Current (Indirect Method) (@ 40 Hz to 100 Hz)	1 A to 100 A	0.035 % of reading	8 ½ Multimeter Fluke 8508A with Current Shunt	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Current (Indirect Method) (@ 100 Hz to 1 kHz)	1 A to 100 A	0.035 % of reading	8 ½ Multimeter Fluke 8508A with Current Shunt	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Current	20 A to 1000 A	2.016 % of reading + 0.5 A	Fluke 376 via Jaw	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output AC Current	1 000 A to 2 500 A	3.02 % of reading + 0.5 A	Fluke 376 via iFlex	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output Electrical Resistance (Normal)	1 mΩ to 2 Ω	0.001 2 % of reading + 4 μΩ	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output Electrical Resistance (Normal)	2 Ω to 20 Ω	0.000 9 % of reading + 14 μΩ	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output Electrical Resistance (Normal)	20 Ω to 200 Ω	0.000 75 % of reading + 50 μΩ	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O

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Electrical	Equipment to Output Electrical Resistance (Normal)	0.200 kΩ to 2 kΩ	0.000 75 % of reading + 0.5 mΩ	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output Electrical Resistance (Normal)	2 kΩ to 20 kΩ	0.000 75 % of reading + 5 mΩ	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output Electrical Resistance (Normal)	20 kΩ to 200 kΩ	0.000 75 % of reading + 50 mΩ	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output Electrical Resistance (Normal)	0.2 kΩ to 2 MΩ	0.000 85 % of reading + 1 Ω	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output Electrical Resistance (Normal)	2 MΩ to 20 MΩ	0.0015 % of reading + 100 Ω	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output Electrical Resistance (Normal)	20 MΩ to 200 MΩ	0.006 % of reading + 10 kΩ	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output Electrical Resistance (Normal)	0.2 GΩ to 2 GΩ	0.053 % of reading + 1 MΩ	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output Electrical Resistance (Lo Current)	1 mΩ to 2 Ω	0.001 5 % of reading + 4 µΩ	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output Electrical Resistance (Lo Current)	2 Ω to 20 Ω	0.000 9 % of reading + 14 µΩ	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O

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Galeana # 619, Col. Moderna
Matamoros, Tamaulipas, México. C.P. 87300
Contact Name: Juan Guerrero Gonzalez Phone: 868-111-3039

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 Output Electrical Resistance (Lo Current)	20 Ω to 200 Ω	0.000 75 % of reading + 0.14 mΩ	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output Electrical Resistance (Lo Current)	0.2 kΩ to 2 kΩ	0.000 75 % of reading + 1.4 mΩ	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output Electrical Resistance (Lo Current)	2 kΩ to 20 kΩ	0.000 75 % of reading + 14 mΩ	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output Electrical Resistance (Lo Current)	20 kΩ to 200 kΩ	0.000 75 % of reading + 0.1 Ω	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output Electrical Resistance (Lo Current)	0.2 MΩ to 2 MΩ	0.001 % of reading + 1 mΩ	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output Electrical Resistance (Lo Current)	2 MΩ to 20 MΩ	0.003 5 % of reading + 0.1 Ω	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output Electrical Resistance (Lo Current)	20 MΩ to 200 MΩ	0.052 % of reading + 500 kΩ	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output Electrical Resistance (Lo Current)	0.200 GΩ to 2 GΩ	0.053 % of reading + 1 MΩ	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output Electrical Resistance (High Voltage)	2 MΩ to 20 MΩ	0.003 5 % of reading + 0.1 Ω	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O

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Electrical	Equipment to Output Electrical Resistance (High Voltage)	20 MΩ to 200 MΩ	0.052 % of reading + 500 kΩ	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output Electrical Resistance (High Voltage)	0.2 GΩ to 2 GΩ	0.053 % of reading + 1 MΩ	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output Electrical Resistance (High Voltage)	2 GΩ to 20 GΩ	0.001 5 % of reading + 0.1 MΩ	8 ½ Multimeter Fluke 8508A	LCT-PROC-006-ELEC-002	F1, F3	F, O
Electrical	Equipment to Output Capacitance	10 nF	2 % of reading + 2.5 % range	6 ½ Multimeter Fluke 8846A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Output Capacitance	100 nF	1 % of reading + 0.5 % range	6 ½ Multimeter Fluke 8846A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Output Capacitance	1 µF	1 % of reading + 0.5 % range	6 ½ Multimeter Fluke 8846A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Output Capacitance	10 µF	1 % of reading + 0.5 % range	6 ½ Multimeter Fluke 8846A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Output Capacitance	100 µF	1 % of reading + 0.5 % range	6 ½ Multimeter Fluke 8846A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Output Capacitance	1 mF	1 % of reading + 0.5 % range	6 ½ Multimeter Fluke 8846A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Output Capacitance	10 mF	1 % of reading + 0.5 % range	6 ½ Multimeter Fluke 8846A	Euramet cg-15	F1, F2	F, O
Electrical	Equipment to Output Capacitance	100 mF	4 % of reading + 0.2 % range	6 ½ Multimeter Fluke 8846A	Euramet cg-15	F1, F2	F, O

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Electrical	Equipment to Output DC Voltage (Hipot)	0.5 kV to 10 kV	0.23 % of reading + 0.002 5 kV	Hipot Calibrator Chroma 9102	LCT-PROC-HPOT	F1, F3	F, O
Electrical	Equipment to Output DC Current (Hipot)	2 µA to 200 µA	0.22 % of reading + 0.026 µA	Hipot Calibrator Chroma 9102	LCT-PROC-HPOT	F1, F3	F, O
Electrical	Equipment to Output DC Current (Hipot)	0.200 mA to 2.00 mA	0.12 % of reading + 0.003 1 mA	Hipot Calibrator Chroma 9102	LCT-PROC-HPOT	F1, F3	F, O
Electrical	Equipment to Output DC Current (Hipot)	2 mA to 20.00 mA	0.2 % of reading + 0.009 mA	Hipot Calibrator Chroma 9102	LCT-PROC-HPOT	F1, F3	F, O
Electrical	Equipment to Output DC Current (Hipot)	20 mA to 200 mA	0.23 % of reading + 0.024 mA	Hipot Calibrator Chroma 9102	LCT-PROC-HPOT	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (Hipot)	0.5 kV to 6 kV	0.34 % of reading + 0.001 kV	Hipot Calibrator Chroma 9102	LCT-PROC-HPOT	F1, F3	F, O
Electrical	Equipment to Output AC Current (Hipot)	2 µA to 200 µA	0.35 % of reading + 0.07 µA	Hipot Calibrator Chroma 9102	LCT-PROC-HPOT	F1, F3	F, O
Electrical	Equipment to Output AC Current (Hipot)	0.2 mA to 2 mA	0.35 % of reading + 0.001 9 mA	Hipot Calibrator Chroma 9102	LCT-PROC-HPOT	F1, F3	F, O
Electrical	Equipment to Output AC Current (Hipot)	2 mA to 20 mA	0.32 % of reading + 0.011 mA	Hipot Calibrator Chroma 9102	LCT-PROC-HPOT	F1, F3	F, O

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Electrical	Equipment to Output AC Current (Hipot)	20 mA to 200 mA	0.35 % of reading + 0.069 mA	Hipot Calibrator Chroma 9102	LCT-PROC-HPOT	F1, F3	F, O
Electrical	Equipment to Output AC Current (Ground Bound Hipot)	0.5 A to 45 A	0.34 % of reading + 0.07 A	Hipot Calibrator Chroma 9102	LCT-PROC-HPOT	F1, F3	F, O
Electrical	Equipment to Measure Insulate Resistance	9.9 MΩ	0.12 MΩ	Hipot Calibrator Chroma 9102	LCT-PROC-HPOT	F1, F3	F, O
Electrical	Equipment to Measure Insulate Resistance	90.9 MΩ	1.05 MΩ	Hipot Calibrator Chroma 9102	LCT-PROC-HPOT	F1, F3	F, O
Electrical	Equipment to Measure Insulate Resistance	1 000 MΩ	23.1 MΩ	Hipot Calibrator Chroma 9102	LCT-PROC-HPOT	F1, F3	F, O
Electrical	Equipment to Measure DC Signal (50 Ω) Oscilloscope	1 mV to 6.6 V	0.25 % of reading + 40 µV	Osciloscope Calibrator Fluke 5800A	LCT-PROC-OSCIL	F1, F3	F, O
Electrical	Equipment to Measure DC Signal (1 MΩ) Oscilloscope	1 mV to 6.6 V	0.025 % of reading + 25 µV	Osciloscope Calibrator Fluke 5800A	LCT-PROC-OSCIL	F1, F3	F, O
Electrical	Equipment to Measure Square Signal Wave (50 Ω) (@ 10 Hz to 10 kHz)	1 mV to 6.6 V	0.25 % of reading + 40 µV	Osciloscope Calibrator Fluke 5800A	LCT-PROC-OSCIL	F1, F3	F, O

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Electrical	Equipment to Measure Square Signal Wave (1 MΩ) (@ 10 Hz to 10 kHz)	1 mV to 6.6 V	0.05 % of reading + 5 µV	Osciloscope Calibrator Fluke 5800A	LCT-PROC-OSCIL	F1, F3	F, O
Electrical	Equipment to Measure Amplitude (Vp-p)	4 mV to 2.5 V	2 % of reading + 0.000 2 V	Osciloscope Calibrator Fluke 5800A	LCT-PROC-OSCIL	F1, F3	F, O
Electrical	Equipment to Measure Amplitude (Vp-p) (50 Ω) (@ 0.01 Hz to 100 kHz)	1.8 mV p-p to 55 V p-p	3 % of reading	Osciloscope Calibrator Fluke 5800A	LCT-PROC-OSCIL	F1, F3	F, O
Electrical	Equipment to Measure Amplitude (Vp-p) (1 MΩ) (@ 0.01 Hz to 100 kHz)	1.8 mV p-p to 2.5 V p-p	3 % of reading	Osciloscope Calibrator Fluke 5800A	LCT-PROC-OSCIL	F1, F3	F, O
Electrical	Equipment to Measure Leveled Sine Wave (50 Ω) (50 kHz Reference)	5 mV to 5.5 V	2 % of reading + 0.3 mV	Osciloscope Calibrator Fluke 5800A	LCT-PROC-OSCIL	F1, F3	F, O
Electrical	Equipment to Measure Leveled Sine Wave (50 Ω) (@ 50 kHz to 100 MHz)	5 mV to 5.5 V	3.5 % of reading + 0.3 mV	Osciloscope Calibrator Fluke 5800A	LCT-PROC-OSCIL	F1, F3	F, O

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Electrical	Equipment to Measure Leveled Sine Wave (50 Ω) (@ 100 MHz to 300 MHz)	5 mV to 5.5 V	4 % of reading + 0.3 mV	Osciloscope Calibrator Fluke 5800A	LCT-PROC-OSCIL	F1, F3	F, O
Electrical	Equipment to Measure Leveled Sine Wave (50 Ω) (@ 300 MHz to 500 MHz)	5 mV to 5.5 V	5.5 % of reading + 0.3 mV	Osciloscope Calibrator Fluke 5800A	LCT-PROC-OSCIL	F1, F3	F, O
Electrical	Equipment to Measure Leveled Sine Wave (50 Ω) (@ 500 MHz to 600 MHz)	5 mV to 5.5 V	6 % of reading + 0.3 mV	Osciloscope Calibrator Fluke 5800A	LCT-PROC-OSCIL	F1, F3	F, O
Electrical	Equipment to Measure Leveled Sine Wave (50 Ω) (@ 600 MHz to 1.1 GHz)	5 mV to 5.5 V	7 % of reading + 0.3 mV	Osciloscope Calibrator Fluke 5800A	LCT-PROC-OSCIL	F1, F3	F, O
Electrical	Equipment to Measure Leveled Sine Wave (50 Ω) (@ 1.1 GHz to 1.6 GHz)	5 mV to 5.5 V	7 % of reading + 0.3 mV	Osciloscope Calibrator Fluke 5800A	LCT-PROC-OSCIL	F1, F3	F, O
Electrical	Equipment to Measure Leveled Sine Wave (50 Ω) (@ 1.6 GHz to 2.1 GHz)	5 mV to 5.5 V	8 % of reading + 0.3 mV	Osciloscope Calibrator Fluke 5800A	LCT-PROC-OSCIL	F1, F3	F, O
Electrical	Equipment to Measure Capacitance (LCR)	1 pF	0.0017 pF	HP Air Capacitance Standard	LCT-PROC-LCR	F1, F3	F, O

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Electrical	Equipment to Measure Capacitance (LCR)	10 pF	0.016 pF	HP Air Capacitance Standard	LCT-PROC-LCR	F1, F3	F, O
Electrical	Equipment to Measure Capacitance (LCR)	100 pF	0.13 pF	HP Air Capacitance Standard	LCT-PROC-LCR	F1, F3	F, O
Electrical	Equipment to Measure Capacitance (LCR)	1 000 pF	1.6 pF	HP Air Capacitance Standard	LCT-PROC-LCR	F1, F3	F, O
Electrical	Equipment to Measure Capacitance (LCR)	0.002 µF	0.012 nF	General Radio Capacitance Standard	LCT-PROC-LCR	F1, F3	F, O
Electrical	Equipment to Measure Capacitance (LCR)	0.01 µF	0.014 nF	General Radio Capacitance Standard	LCT-PROC-LCR	F1, F3	F, O
Electrical	Equipment to Measure Capacitance (LCR)	0.05 µF	0.045 nF	General Radio Capacitance Standard	LCT-PROC-LCR	F1, F3	F, O
Electrical	Equipment to Measure Capacitance (LCR)	0.1 µF	0.087 nF	General Radio Capacitance Standard	LCT-PROC-LCR	F1, F3	F, O
Electrical	Equipment to Measure Capacitance (LCR)	1 µF	0.87 nF	General Radio Capacitance Standard	LCT-PROC-LCR	F1, F3	F, O
Electrical	Equipment to Measure Resistance (LCR)	0.01 Ω	0.01 % of reading	KAACC P310	LCT-PROC-LCR	F1, F3	F, O
Electrical	Equipment to Measure Resistance (LCR)	0.1 Ω	0.01 % of reading	KAACC P321	LCT-PROC-LCR	F1, F3	F, O
Electrical	Equipment to Measure Resistance (LCR)	1 Ω	0.01 % of reading	KAACC P321	LCT-PROC-LCR	F1, F3	F, O

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Electrical	Equipment to Measure Resistance (LCR)	100 Ω	0.01 % of reading	KAACC P331	LCT-PROC-LCR	F1, F3	F, O
Electrical	Equipment to Measure Resistance (LCR)	1 000 Ω	0.01 % of reading	KAACC P331	LCT-PROC-LCR	F1, F3	F, O
Electrical	Equipment to Measure Resistance (LCR)	100 00 Ω	0.01 % of reading	KAACC P331	LCT-PROC-LCR	F1, F3	F, O
Electrical	Equipment to Measure Resistance (LCR)	100 000 Ω	0.01 % of reading	KAACC P331	LCT-PROC-LCR	F1, F3	F, O

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:

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.

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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.