PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Calidad Mx, S.A. de C.V.

Pino # 3908, Col. Jardines de San Rafael
Guadalupe, Nuevo Leon, México. C.P. 67110

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, Optical, Chemical, Fluid Quantities, Mechanical, Time and Frequency, Mass, Force and Weighing Devices, Thermodynamic, Acoustic 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:*
July 14, 2021	February 10, 2026	February 29, 2028

Accreditation No.:	*Certificate No.:*
70242	L26-123

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

Calidad Mx, S.A. de C.V.

Pino # 3908, Col. Jardines de San Rafael
Guadalupe, Nuevo Leon, México. C.P. 67110
Contact Name: Alejandro Lujan Phone: 818-379-2710

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	Caliper	0.105 in to 24 in	$(7.7 + 1.1 \times 10^{-2}L)$ µin	Mitutoyo Gage Block, Grade 0	CENAM Technical Guide	F1, F2	F, O
Dimensional	Micrometer	0.105 in to 24 in	$(5.82 \times 10^{-1} + 6 \times 10^{-6}L)$ µin	Mitutoyo Gage Block, Grade 0	CENAM Technical Guide	F1, F2	F, O
Dimensional	Micrometer Heads	2.6 mm to 25.4 mm	$(5.76 \times 10^{-4} + 6.1 \times 10^{-6}L)$ mm	Gage Block Grade 0	DIN-030 CEM	F1, F2	F
Dimensional	Coating Thickness Gauge	20 µm to 2 600 µm	$(5.78 \times 10^{-2} + 1.84 \times 10^{-1}L)$ µm	Defelsco Certified Thickness Standards	ASTM-D7091-13	F1, F2	F, O
Dimensional	Tape	50 m maximum	0.1 cm	Standard Tape	NOM-046-SCFI-1999	F1, F2	F, O
Dimensional	Rule	100 cm maximum	0.006 cm	Standard Rule Glass Microrule	NOM-040-SCFI-1994	F1, F2	F, O
Dimensional	Length Meter (Distance Measurement)	0.5 m to 20 m	0.001 m	Distance Meter	ISO 17123-4	F1, F2	F
Dimensional	Sieves	45 µm to 13 200 µm	0.38 µm	Microscope Glass Microrule	ASTM E11-17	F1, F2	F
Dimensional	Sieves	16 mm to 125 mm	0.012 mm	Interior Caliper	ASTM E11-17	F1, F2	F
Dimensional	CMM	Up to 1 000 mm	$(1.16 + 1 \times 10^{-6}L)$ µm	Gage Blocks	ISO-10360-2	F1, F2	O
Dimensional	Height Gauges	Up to 609.6 mm	$(5.51 \times 10^{-3} + 3 \times 10^{-6}L)$ mm	Mitutoyo Gage Block Grade 0	DI-008 CEM	F1, F2	F, O
Dimensional	Height Master	Up to 304.8 mm	$(6.21 \times 10^{-4} + 1 \times 10^{-6}L)$ mm	Mitutoyo Gage Block Grade 0	DI-008 CEM	F1, F2	F, O
Dimensional	Angle Meter	Up to 90°	0.007°	Angle Block	DI-003 CEM	F1, F2	F, O
Dimensional	Granite Surface Plates (Repeat Measurement)	0.05 mm	1.2 µm	Repeat-O-Meter with Micro Indicator	DI-015 CEM	F1, F2	F, O

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Dimensional	Roughness Tester (Ra) (Fixed point)	2.94 µm	0.08 µm	Roughness Specimen	DI-025 CEM	F1, F2	F, O
Dimensional	Roughness Tester (Ry) (Fixed point)	9.3 µm	0.12 µm	Roughness Specimen	DI-025 CEM	F1, F2	F, O
Dimensional	Dial Indicator	Up to 25.4 mm	$(4.7 + 4 \times 10^{-3}L)$ µm	Head Micrometer	JIS B 7503	F1, F2	F, O
Dimensional	Optical Length Comparator (X Axis Linearity)	1 mm to 200 mm	$(9.87 \times 10^{-4} + 1 \times 10^{-6}L)$ mm	Glass Reticules	DI-001 CEM	F1, F2	O
Dimensional	Optical Length Comparator (Y Axis Linearity)	1 mm to 200 mm	$(9.87 \times 10^{-4} + 1 \times 10^{-6}L)$ mm	Glass Reticules	DI-001 CEM	F1, F2	O
Dimensional	Optical Comparator (Angularity)	Up to 90°	0.05º	Angular Block	DI-001 CEM	F1, F2	O
Dimensional	Microscopes	Up to 100 mm	$(1.51 \times 10^{-3} + 4.9 \times 10^{-5}L)$ mm	Glass Scale, Reticule	DI-006 CEM	F1, F2	F, O
Dimensional	Vision System	Up to 200 mm	$(1.51 \times 10^{-3} + 4.9 \times 10^{-5}L)$ mm	Glass Reticules	DI-006 CEM	F1, F2	O
Dimensional	Pin Gauge	0.152 mm to 25.4 mm	1.2 µm	Master Micrometer	DI-016 CEM	F1, F2	F
Dimensional	Tread Plugs (Pitch Diameter)	0-40 to 4-12	1.4 µm	Wire with Micrometer	ASME B1.2	F1, F2	F
Dimensional	Feeler Gauge	0.03 mm to 0.9 mm	1.3 µm	Micrometer Digital	JIS B 7524	F1, F2	F
Dimensional	Bore Gauges	10 mm to 60 mm	$(6.84 \times 10^{-4} + 8.1 \times 10^{-6}L)$ mm	Ring Gauge Master	ASME B89.1.1.6	F1, F2	F

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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	3.7 µm	Head Micrometer	ASTM D-2240	F1, F2	F
Optical	ρ (λ) Spectral Reflectance (CIE L:)	0 Units to 100 Units	0.36 Units	White Standard Tile	CENAM Technical Guide	F1, F2	F, O
Optical	ρ (λ) Spectral Reflectance (CIE a*:)	-28 Units to 36 Units	0.26 Units	White Standard Tile	CENAM Technical Guide	F1, F2	F, O
Optical	ρ (λ) Spectral Reflectance (CIE b*:)	-26 Units to 63 Units	0.24 Units	White Standard Tile	CENAM Technical Guide	F1, F2	F, O
Optical	Spectrophotometers Transmittance (τ)	1 % to 95 %	0.27 % of reading	White Standard Tile	CENAM Technical Guide	F1, F2	F, O
Optical	Spectrophotometers Transmittance (λ)	230 nm to 700 nm	0.5 nm	Neutral density Filters, Holmium Oxide Glass	CENAM Technical Guide	F1, F2	F, O
Optical	Gloss/ Specular Reflectance Meter (@ 20º to 92.1º Angle of Incline)	88.4 Gloss Units	0.5 Gloss Units	Ceram Research Gloss and Semi-Gloss Standards	ASTM D-523-14	F1, F2	F, O
Optical	Gloss/Specular Reflectance Meter (@ 60º to 94.9º Angle of Incline)	93.4 Gloss Units	0.5 Gloss Units	Ceram Research Gloss and Semi-Gloss Standards	ASTM D-523-14	F1, F2	F, O
Optical	Gloss/Specular Reflectance Meter (@ 85º to 99.8º Angle of Incline)	99.4 Gloss Units	0.5 Gloss Units	Ceram Research Gloss and Semi-Gloss Standards	ASTM D-523-14	F1, F2	F, O

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Optical	Light Booth (Ev Illuminance)	100 lux to 6 000 lux	1 % of reading	Luxmeter Minolta CL-200	NIST SP 250-37	F1, F2	O
Optical	Light Booth (Ev Light Color)	2856 K	20 K	Luxometer Minolta CL-200	NIST SP 250-37	F1, F2	O
Optical	Ev Light Meters	100 lux to 6 000 lux	2 % of reading	Luxometer Minolta CL-200	CENAM Technical Guide	F1, F2	F
Chemical	pH Meters	4 pH to 10 pH	0.02 pH	SRM NIST Traceable, (Buffer, 4.01, 7.01, 10.01)	CENAM Technical Guide	F1, F2	F, O
Chemical	Conductivity Meters (Fixed Points)	84 µS/cm	1 µS/cm	SRM NIST Traceable	CENAM Technical Guide	F1, F2	F, O
Chemical	Conductivity Meters (Fixed Points)	1 413 µS/cm	7 µS/cm	SRM NIST Traceable	CENAM Technical Guide	F1, F2	F, O
Chemical	Turbidimeter	0.1 NTU to 100 NTU	0.5 NTU	HACH Standard	EPA Method 180.1	F1, F2	F, O
Chemical	Turbidimeter	100 NTU to 800 NTU	5 NTU	HACH Standard	EPA Method 180.1	F1, F2	F, O
Chemical	Refractive Index	1 ºBrix to 80 ºBrix	0.55 % of reading	Sucrose Standards	OIML R-108	F1, F2	F, O
Chemical	Gas Detector (Hydrogen Sulfide)	25 µmol/mol	5 % of reading	Gas Standard	CEM QU-012	F1, F2	F
Chemical	Gas Detector (Hydrogen Sulfide)	20 µmol/mol	5 % of reading	Gas Standard	CEM QU-012	F1, F2	F
Chemical	Gas Detector (Carbon Monoxide)	50 µmol/mol	5 % of reading	Gas Standard	CEM QU-012	F1, F2	F
Chemical	Gas Detector (Carbon Monoxide)	60 µmol/mol	5 % of reading	Gas Standard	CEM QU-012	F1, F2	F

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Chemical	Gas Detector (Methane)	2.5 cmol/mol	5 % of reading	Gas Standard	CEM QU-012	F1, F2	F
Chemical	Gas Detector (Methane)	1.45 cmol/mol	5 % of reading	Gas Standard	CEM QU-012	F1, F2	F
Chemical	Gas Detector (Oxygen)	12 cmol/mol	5 % of reading	Gas Standard	CEM QU-012	F1, F2	F
Chemical	Gas Detector (Oxygen)	15 cmol/mol	5 % of reading	Gas Standard	CEM QU-012	F1, F2	F
Fluid Quantities	Burette	10 mL	14 µL	Analytical Balance and HR200	CENAM Technical Guide	F1, F2	F
Fluid Quantities	Burette	25 mL	35 µL	Analytical Balance and HR200	CENAM Technical Guide	F1, F2	F
Fluid Quantities	Burette	50 mL	50 µL	Analytical Balance and HR200	CENAM Technical Guide	F1, F2	F
Fluid Quantities	Volumetric Pipettes and Pipettes	1 mL	3.3 µL	Analytical Balance and HR200	CENAM Technical Guide	F1, F2	F
Fluid Quantities	Volumetric Pipettes and Pipettes	5 mL	3.3 µL	Analytical Balance and HR200	CENAM Technical Guide	F1, F2	F
Fluid Quantities	Volumetric Pipettes and Pipettes	10 mL	3.3 µL	Analytical Balance and HR200	CENAM Technical Guide	F1, F2	F
Fluid Quantities	Volumetric Pipettes and Pipettes	25 mL	5.3 µL	Analytical Balance and HR200	CENAM Technical Guide	F1, F2	F

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Fluid Quantities	Micropipettes and Pipettes	1 µL	0.023 µL	Micro Analytical Balance and AD-4212B-PT Analytical Balance AND HR200	CENAM Technical Guide	F1, F2	F
Fluid Quantities	Micropipettes and Pipettes	2 µL	0.023 µL	Micro Analytical Balance and AD-4212B-PT Analytical Balance AND HR200	CENAM Technical Guide	F1, F2	F
Fluid Quantities	Micropipettes and Pipettes	5 µL	0.059 µL	Micro Analytical Balance and AD-4212B-PT Analytical Balance AND HR200	CENAM Technical Guide	F1, F2	F
Fluid Quantities	Micropipettes and Pipettes	10 µL	0.051 µL	Micro Analytical Balance and AD-4212B-PT Analytical Balance AND HR200	CENAM Technical Guide	F1, F2	F
Fluid Quantities	Micropipettes and Pipettes	20 µL	0.042 µL	Micro Analytical Balance and AD-4212B-PT Analytical Balance AND HR200	CENAM Technical Guide	F1, F2	F

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Fluid Quantities	Micropipettes and Pipettes	50 µL	0.015 µL	Micro Analytical Balance and AD-4212B-PT Analytical Balance AND HR200	CENAM Technical Guide	F1, F2	F
Fluid Quantities	Micropipettes and Pipettes	100 µL	0.015 µL	Micro Analytical Balance and AD-4212B-PT Analytical Balance AND HR200	CENAM Technical Guide	F1, F2	F
Fluid Quantities	Micropipettes and Pipettes	200 µL	0.083 µL	Micro Analytical Balance and AD-4212B-PT Analytical Balance AND HR200	CENAM Technical Guide	F1, F2	F
Fluid Quantities	Micropipettes and Pipettes	500 µL	0.32 µL	Micro Analytical Balance and AD-4212B-PT Analytical Balance AND HR200	CENAM Technical Guide	F1, F2	F
Fluid Quantities	Micropipettes and Pipettes	1 000 µL	0.32 µL	Micro Analytical Balance and AD-4212B-PT Analytical Balance AND HR200	CENAM Technical Guide	F1, F2	F

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Fluid Quantities	Micropipettes and Pipettes	2 000 µL	0.32 µL	Micro Analytical Balance and AD-4212B-PT Analytical Balance AND HR200	CENAM Technical Guide	F1, F2	F
Fluid Quantities	Graduated Cylinder	25 mL	1.2 mL	Analytical Balance and HR200 OHAUS SPX2202	CENAM Technical Guide	F1, F2	F
Fluid Quantities	Graduated Cylinder	50 mL	1.2 mL	Analytical Balance and HR200 OHAUS SPX2202	CENAM Technical Guide	F1, F2	F
Fluid Quantities	Graduated Cylinder	100 mL	1.2 mL	Analytical Balance and HR200 OHAUS SPX2202	CENAM Technical Guide	F1, F2	F
Fluid Quantities	Graduated Cylinder	250 mL	1.2 mL	Analytical Balance and HR200 OHAUS SPX2202	CENAM Technical Guide	F1, F2	F
Fluid Quantities	Graduated Cylinder	500 mL	1.2 mL	Analytical Balance and HR200 OHAUS SPX2202	CENAM Technical Guide	F1, F2	F
Fluid Quantities	Graduated Cylinder	1 000 mL	1.2 mL	Analytical Balance and HR200 OHAUS SPX2202	CENAM Technical Guide	F1, F2	F
Fluid Quantities	Graduated Cylinder	2 000 mL	1.2 mL	Analytical Balance and HR200 OHAUS SPX2202	CENAM Technical Guide	F1, F2	F

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Fluid Quantities	Volumetric Flask	10 mL	0.02 µL	Analytical Balance and HR200 OHAUS SPX2202	CENAM Technical Guide	F1, F2	F
Fluid Quantities	Volumetric Flask	25 mL	0.02 µL	Analytical Balance and HR200 OHAUS SPX2202	CENAM Technical Guide	F1, F2	F
Fluid Quantities	Volumetric Flask	50 mL	0.02 µL	Analytical Balance and HR200 OHAUS SPX2202	CENAM Technical Guide	F1, F2	F
Fluid Quantities	Volumetric Flask	100 mL	0.03 mL	Analytical Balance and HR200 OHAUS SPX2202	CENAM Technical Guide	F1, F2	F
Fluid Quantities	Volumetric Flask	250 mL	0.07 mL	Analytical Balance and HR200 OHAUS SPX2202	CENAM Technical Guide	F1, F2	F
Fluid Quantities	Volumetric Flask	500 mL	0.08 mL	Analytical Balance and HR200 OHAUS SPX2202	CENAM Technical Guide	F1, F2	F
Fluid Quantities	Containers	1 000 mL	0.15 mL	Analytical Balance AND HR200 OHAUS SPX2202	CENAM Technical Guide	F1, F2	F
Fluid Quantities	Containers	2 000 mL	0.33 mL	Analytical Balance AND HR200 OHAUS SPX2202	CENAM Technical Guide	F1, F2	F

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Fluid Quantities	Containers	10 L	0.34 mL	Analytical Balance AND HR200 OHAUS SPX2202	CENAM Technical Guide	F1, F2	F
Fluid Quantities	Containers	20 L	0.34 mL	Analytical Balance AND HR200 OHAUS SPX2202	CENAM Technical Guide	F1, F2	F
Fluid Quantities	Containers	200 L	1.7 mL	Analytical Balance AND HR200 OHAUS SPX2202	CENAM Technical Guide	F1, F2	F
Mechanical	Pressure Gauge Pressure Transducer	1 psi to 1 000 psi	0.6 % of reading	Hardness Test Blocks	CENAM Technical Guide	F1, F2	F, O
Mechanical	Pressure Gauge Pressure Transducer	1 000 psi to 10 000 psi	0.2 % of reading	Digital Manometer Ametek EPC2000	CENAM Technical Guide	F1, F2	F, O
Mechanical	Pressure Gauge Pressure Transducer	0.02 H_20 to 280 in H_20	0.02 % of reading	Digital Manometer Adittel GP10K	CENAM Technical Guide	F1, F2	F, O
Mechanical	Vacuum (Pressure Gauge Pressure Transducer)	-14 psi to 0 psi	0.02 % of reading	AMETEC EPC 2000	CENAM Technical Guide	F1, F2	F, O
Mechanical	Dynamic Viscosity Meters	0.1 Pa•s to 30 Pa•s	0.58 % of reading	Cannon Standard Oil	CENAM Technical Guide	F1, F2	F, O
Mechanical	Kinematic Viscosity Ford Cup No.4	121.6 mm²/s	1.4 % of reading	Cannon Standard Oil	ASTM D4212 −16	F1, F2	F, O
Mechanical	Kinematic Viscosity Zahn Cups No. 2	48.75 mm²/s	1.1 % of reading	Cannon Standard Oil	ASTM D4212 −16	F1, F2	F, O
Mechanical	Kinematic Viscosity Zahn Cups No. 3	42.37 mm²/s	1.1 % of reading	Cannon Standard Oil	ASTM D4212 −16	F1, F2	F, O

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Mechanical	Kinematic Viscosity Zahn Cups No. 4	32.57 mm²/s	1.1 % of reading	Cannon Standard Oil	ASTM D4212 −16	F1, F2	F, O
Mechanical	Torque Wrench Torque Transducer	2 N•m to 500 N•m	1 % of reading	Torque Transducer CEDAR Mod. DIS-IP500 500 N•m	CENAM Technical Guide	F1, F2	F
Mechanical	Torque Wrench Torque Transducer	0.1 N•m to 15 N•m	0.5 % of reading	Torque Transducer CEDAR Model	IM-CD150M	F1, F2	F, O
Mechanical	Indirect Verifications Hardness Tester (HRC)	20 HRC to 30 HRC	0.42 HRC	Test Blocks	CENAM Technical Guide	F1, F2	O
Mechanical	Indirect Verifications Hardness Tester (HRC)	30 HRC to 60 HRC	0.39 HRC	Test Blocks	CENAM Technical Guide	F1, F2	O
Mechanical	Indirect Verifications Hardness Tester (HRC)	60 HRC to 70 HRC	0.38 HRC	Test Blocks	CENAM Technical Guide	F1, F2	O
Mechanical	Indirect Verifications Hardness Tester (HRB)	40 HRB to 60 HRB	0.38 HRB	Hardness Test Blocks	CENAM Technical Guide	F1, F2	O
Mechanical	Indirect Verifications Hardness Tester (HRB)	60 HRB to 80 HRB	0.36 HRB	Hardness Test Blocks	CENAM Technical Guide	F1, F2	O
Mechanical	Indirect Verifications Hardness Tester (HRB)	80 HRB to 100 HRB	0.42 HRB	Hardness Test Blocks	CENAM Technical Guide	F1, F2	O
Mechanical	Indirect Verifications Hardness Tester (HB 10/1 500 kgf)	120 HB to 300 HB	1.8 HB	Hardness Test Blocks	CENAM Technical Guide	F1, F2	O
Mechanical	Indirect Verifications Hardness Tester (HB 10/3 000 kgf)	300 HB to 600 HB	6 HB	Hardness Test Blocks	CENAM Technical Guide	F1, F2	O

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Time and Frequency	Stopwatch	60 s to 86 400 s	16 s/day	Direct Comparison Stopwatch, UTC	CENAM Technical Guide	F1, F2	F
Time and Frequency	Tachometer	1 rpm to 10 000 rpm	0.2 % of reading	Tachometer	ASTM-F2046-00	F1, F2	F
Time and Frequency	Equipment to Measure Frequency	0.01 Hz to 119.99 Hz	0.000 025 Hz	Fluke 5500A Multicalibrator	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Time and Frequency	Equipment to Measure Frequency	120 Hz to 1199.9 Hz	0.000 025 Hz	Fluke 5500A Multicalibrator	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Time and Frequency	Equipment to Measure Frequency	1.2 kHz to 11.999 kHz	0.016 Hz	Fluke 5500A Multicalibrator	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Time and Frequency	Equipment to Measure Frequency	12 kHz to 119.99 kHz	0.016 Hz	Fluke 5500A Multicalibrator	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Time and Frequency	Equipment to Measure Frequency	120 kHz to 1199.9 kHz	0.016 Hz	Fluke 5500A Multicalibrator	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Time and Frequency	Equipment to Measure Frequency	1.2 MHz to 2 MHz	0.016 Hz	Fluke 5500A Multicalibrator	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Time and Frequency	Equipment to Output Frequency	3 Hz to 5 Hz	0.1 % of reading	Agilent Multimeter 34401A	Internal Procedures EL-024, EL-025	F1, F3	F, O

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Time and Frequency	Equipment to Output Frequency	5 Hz to 10 Hz	0.05 % of reading	Agilent Multimeter 34401A	Internal Procedures EL-024, EL-025	F1, F3	F, O
Time and Frequency	Equipment to Output Frequency	10 Hz to 40 Hz	0.03 % of reading	Agilent Multimeter 34401A	Internal Procedures EL-024, EL-025	F1, F3	F, O
Time and Frequency	Equipment to Output Frequency	40 Hz to 300 KHz	0.01 % of reading	Agilent Multimeter 34401A	Internal Procedures EL-024, EL-025	F1, F3	F, O
Mass, Force and Weighing Devices	Force Gages, Load Cell and Universal Machines (Compression & Tension)	1 N to 4 906 N	0.3 % of reading	Transducer Load Cell	CENAM Technical Guide	F1, F2	F, O
Mass, Force and Weighing Devices	Force Gages, Load Cell and Universal Machines (Compression & Tension)	4 906 N to 44 444 N	0.3 % of reading	Transducer Load Cell	CENAM Technical Guide	F1, F2	F, O
Mass, Force and Weighing Devices	Force Gages, Load Cell and Universal Machines (Compression & Tension)	44 444 N to 222 222 N	0.1 % of reading	Transducer Load Cell	CENAM Technical Guide	F1, F2	F, O
Mass, Force and Weighing Devices	Analytical Balance	1 mg to 200 g (Res. = 0.1 mg)	$(2 \times 10^{-4} + 5.21 \times 10^{-6}Wt)$ g	OIML E2 Weights	CENAM Technical Guide	F1, F2	O
Mass, Force and Weighing Devices	Precision Balance	0.1 g to 10 000 g (Res = 0.01 g)	$(1.16 \times 10^{-2} + 3.35 \times 10^{-6}Wt)$ g	OIML F1 and M1 Weights	CENAM Technical Guide	F1, F2	O

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Mass, Force and Weighing Devices	Scale	5 kg to 200 kg (Res.= 1 g)	(1.142 9 + 2.45 x 10^{-6}Wt) g	OIML M1 Weights	CENAM Technical Guide	F1, F2	O
Mass, Force and Weighing Devices	Weighing Devices	200 kg to 10 000 kg (Res.= 0.5 kg)	(5.85 x 10^{-1} + 3.1 x 10^{-5}Wt) kg	OIML M2 Weights	CENAM Technical Guide	F1, F2	F, O
Mass, Force and Weighing Devices	Mass Class F1, M1 Weights	0.001 g	0.002 7 mg	Class E2 and F1Mass Micro and Analytical Balance Precision Balance (Res.= 0.01 g)	OIML R-111	F1, F2	F, O
Mass, Force and Weighing Devices	Mass Class F1, M1 Weights	0.002 g	0.002 7 mg	Class E2 and F1Mass Micro and Analytical Balance Precision Balance (Res.= 0.01 g)	OIML R-111	F1, F2	F, O
Mass, Force and Weighing Devices	Mass Class F1, M1 Weights	0.005 g	0.002 7 mg	Class E2 and F1Mass Micro and Analytical Balance Precision Balance (Res.= 0.01 g)	OIML R-111	F1, F2	F, O
Mass, Force and Weighing Devices	Mass Class F1, M1 Weights	0.01 g	0.003 7 mg	Class E2 and F1Mass Micro and Analytical Balance Precision Balance (Res.= 0.01 g)	OIML R-111	F1, F2	F, O

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Mass, Force and Weighing Devices	Mass Class F1, M1 Weights	0.02 g	0.005 5 mg	Class E2 and F1Mass Micro and Analytical Balance Precision Balance (Res.= 0.01 g)	OIML R-111	F1, F2	F, O
Mass, Force and Weighing Devices	Mass Class F1, M1 Weights	0.05 g	0.008 mg	Class E2 and F1Mass Micro and Analytical Balance Precision Balance (Res.= 0.01 g)	OIML R-111	F1, F2	F, O
Mass, Force and Weighing Devices	Mass Class F1, M1 Weights	0.1 g	0.016 mg	Class E2 and F1Mass Micro and Analytical Balance Precision Balance (Res.= 0.01 g)	OIML R-111	F1, F2	F, O
Mass, Force and Weighing Devices	Mass Class F1, M1 Weights	0.2 g	0.33 mg	Class E2 and F1Mass Micro and Analytical Balance Precision Balance (Res.= 0.01 g)	OIML R-111	F1, F2	F, O
Mass, Force and Weighing Devices	Mass Class F1, M1 Weights	0.5 g	0.026 mg	Class E2 and F1Mass Micro and Analytical Balance Precision Balance (Res.= 0.01 g)	OIML R-111	F1, F2	F, O

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Mass, Force and Weighing Devices	Mass Class F1, M1 Weights	1 g	0.033 mg	Class E2 and F1Mass Micro and Analytical Balance Precision Balance (Res.= 0.01 g)	OIML R-111	F1, F2	F, O
Mass, Force and Weighing Devices	Mass Class F1, M1 Weights	2 g	0.04 mg	Class E2 and F1Mass Micro and Analytical Balance Precision Balance (Res.= 0.01 g)	OIML R-111	F1, F2	F, O
Mass, Force and Weighing Devices	Mass Class F1, M1 Weights	5 g	0.053 mg	Class E2 and F1Mass Micro and Analytical Balance Precision Balance (Res.= 0.01 g)	OIML R-111	F1, F2	F, O
Mass, Force and Weighing Devices	Mass Class F1, M1 Weights	10 g	0.066 mg	Class E2 and F1Mass Micro and Analytical Balance Precision Balance (Res.= 0.01 g)	OIML R-111	F1, F2	F, O
Mass, Force and Weighing Devices	Mass Class F1, M1 Weights (Res.= 0.01 g)	20 g	0.083 mg	Class E2 and F1 Mass Analytical Balance Precision Balance	OIML R-111	F1, F2	F, O
Mass, Force and Weighing Devices	Mass Class F1, M1 Weights (Res.= 0.01 g)	50 g	0.1 mg	Class E2 and F1 Mass Analytical Balance Precision Balance	OIML R-111	F1, F2	F, O

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Mass, Force and Weighing Devices	Mass Class F1, M1 Weights (Res.= 0.01 g)	100 g	0.16 mg	Class E2 and F1 Mass Analytical Balance Precision Balance	OIML R-111	F1, F2	F, O
Mass, Force and Weighing Devices	Mass Class F1, M1 Weights (Res.= 0.01 g)	200 g	0.33 mg	Class E2 and F1 Mass Analytical Balance Precision Balance	OIML R-111	F1, F2	F, O
Mass, Force and Weighing Devices	Mass Class F1, M1 Weights (Res.= 0.01 g)	500 g	0.83 mg	Class E2 and F1 Mass Analytical Balance Precision Balance	OIML R-111	F1, F2	F, O
Mass, Force and Weighing Devices	Mass Class M1, M2 Weights (Res.= 0.01 g)	1 kg	16 mg	Class F1 Mass Precision Balance	OIML R-111	F1, F2	F, O
Mass, Force and Weighing Devices	Mass Class M1, M2 Weights (Res.= 0.01 g)	2 kg	33 mg	Class F1 Mass Precision Balance	OIML R-111	F1, F2	F, O
Mass, Force and Weighing Devices	Mass Class M1, M2 Weights (Res.= 0.01 g)	5 kg	83 mg	Class F1 Mass Precision Balance	OIML R-111	F1, F2	F, O
Mass, Force and Weighing Devices	Mass Class M2, M3 Weights	10 kg	540 mg	Class M1 Mass Balance	OIML R-111	F1, F2	F, O
Mass, Force and Weighing Devices	Mass Class M2, M3 Weights	20 kg	580 mg	Class M1 Mass Balance	OIML R-111	F1, F2	F, O

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Mass, Force and Weighing Devices	Durometer Hardness Tester Durometer Indentor Spring (Types A, B, E & O)	0.55 N to 9.05 N	1.4 N	Electronic Balance	ASTM D-2240	F1, F2	F, O
Mass, Force and Weighing Devices	Durometer Hardness Tester Durometer Indentor Spring (Types C, D & DO)	0.445 N to 44.45 N	1.4 N	Electronic Balance	ASTM D-2240	F1, F2	F, O
Thermodynamic	Temperature Measurement Thermocouple Type K	0 ºC to 500 ºC	0.24 ºC	Fluke 725, Dry Well	NIST 250-35	F1, F2	F, O
Thermodynamic	Temperature Measurement Thermocouple Type K	501 ºC to 1 100 ºC	0.24 ºC	Fluke 725, Dry Well	NIST 250-35	F1, F2	F, O
Thermodynamic	Temperature Measurement Thermocouple Type J	0 ºC to 500 ºC	0.24 ºC	Fluke 725, Dry Well	NIST 250-35	F1, F2	F, O
Thermodynamic	Temperature Measurement Thermocouple Type J	501 ºC to 1 100 ºC	0.24 ºC	Fluke 725, Dry Well	NIST 250-35	F1, F2	F, O
Thermodynamic	Temperature Measurement RTD Pt 100	-80 ºC to 420 ºC	0.11 ºC	Fluke 725 with Dry Well, Freezer, Dry Ice Bath Comparison	CENAM Technical Guide	F1, F2	F, O

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Thermodynamic	Bimetallic Thermometer	-20 ºC to 500 ºC	1.2 ºC	Fluke 725, Dry Well	NIST 250-35	F1, F2	F, O
Thermodynamic	Temperature Controllers	0 ºC to 1 100 °C	0.5 ºC	Fluke 725, Dry Well	NIST 250-35	F1, F2	F, O
Thermodynamic	IR Thermometer	50 ºC to 500 ºC	0.64 ºC	Fluke 725, Dry Well Black Body (Temperature Generator)	CENAM Technical Guide	F1, F2	F, O
Thermodynamic	Temperature Generation: Ovens, Furnaces, Muffles, Freezers and Incubators	-20 ºC to 0 ºC	1.4 ºC	Fluke 725	NIST 250-35	F1, F2	F, O
Thermodynamic	Temperature Generation: Ovens, Furnaces, Muffles, Freezers and Incubators	0 ºC to 25 ºC	1.4 ºC	Fluke 725	NIST 250-35	F1, F2	F, O
Thermodynamic	Temperature Generation: Ovens, Furnaces, Muffles, Freezers and Incubators	25 ºC to 100 ºC	1.5 ºC	Fluke 725	NIST 250-35	F1, F2	F, O
Thermodynamic	Temperature Generation: Ovens, Furnaces, Muffles, Freezers and Incubators	100 ºC to 450 ºC	1.7 ºC	Fluke 725	NIST 250-35	F1, F2	F, O
Thermodynamic	Temperature Generation: Ovens, Furnaces, Muffles, Freezers and Incubators	450 ºC to 900 ºC	1.9 ºC	Fluke 725	NIST 250-35	F1, F2	F, O
Thermodynamic	Relative Humidity Meter	10 % RH to 95 % RH	2.8 % RH	Saturated Salt Solution Thermo-Hygrometer Control Company	CENAM Technical Guide	F1, F2	F, O

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Thermodynamic	Glass Thermometer	-30 °C to 100 °C	0.13 °C	Sonda RTD Fluke 725	OIML R 133	F1, F2	F
Acoustic	Sonometer	94 dB	0.7 dB	Acoustical Calibrator 1 kHZ	ANSI S1.4	F1, F2	F, O
Acoustic	Sonometer	114 dB	0.88 dB	Acoustical Calibrator 1 kHZ	ANSI S1.4	F1, F2	F, O
Electrical	Wood Moisture Meter (Resistance)	7 % RH to 25 % RH	0.95 % RH	Electrical Simulation Agilent Multimeter 34401A Resistance Substitution Elenco RS-500	FPL-GTR-6	F1, F2	F
Electrical	Equipment to Measure Resistance	0.1 Ω to 1 Ω	0.002 6 Ω	Process Calibrator Fluke 743 B	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure Resistance	1 Ω to 2 Ω	0.002 4 Ω	Process Calibrator Fluke 743 B	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure Resistance	2 Ω to 5 Ω	0.002 5 Ω	Process Calibrator Fluke 743 B	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure Resistance	5 Ω to 10 Ω	0.002 4 Ω	Process Calibrator Fluke 743 B	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure Resistance	10 Ω to 20 Ω	0.004 9 Ω	Process Calibrator Fluke 743 B	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure Resistance	20 Ω to 50 Ω	0.007 Ω	Process Calibrator Fluke 743 B	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure Resistance	50 Ω to 100 Ω	0.039 Ω	Process Calibrator Fluke 743 B	CENAM Technical Guide	F1, F2	F, O

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Electrical	Equipment to Measure Resistance	100 Ω to 200 Ω	0.017 Ω	Process Calibrator Fluke 743 B	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure Resistance	200 Ω to 500 Ω	0.018 Ω	Process Calibrator Fluke 743 B	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure Resistance	500 Ω to 1 000 Ω	0.9 Ω	Process Calibrator Fluke 743 B	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Output DC Voltage	100 mV to 1 V	0.001 8 V	Fluke 5500A Multimeter	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Output DC Voltage	1 V to 10 V	0.002 V	Fluke 5500A Multimeter	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Output DC Voltage	10 V to 100 V	0.003 V	Fluke 5500A Multimeter	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Output DC Voltage	100 V to 1 000 V	0.048 V	Fluke 5500A Multimeter	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 50 Hz to 1 kHz)	0.001 V to 750 V	0.13 V	Fluke 5500A Multimeter	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Output AC Current (@ 10 Hz to 900 Hz)	0.01 A to 3 A	0.001 3 A	Fluke 5500A Multimeter	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Output AC Current (@ 10 Hz to 900 Hz)	3 A to 10 A	0.024 A	Fluke 5500A Multimeter	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Output DC Current	0.000 01 mA to 9.999 9 mA	0.001 9 mA	Fluke 5500A Multimeter	CENAM Technical Guide	F1, F2	F, O

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Electrical	Equipment to Output DC Current	10 mA to 99.999 mA	0.006 8 mA	Fluke 5500A Multimeter	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Output DC Current	100 mA to 1 A	0.006 9 mA	Fluke 5500A Multimeter	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Output DC Current	1 A to 3 A	0.000 7 A	Fluke 5500A Multimeter	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Output DC Current	3 A to 10 A	0.006 8 A	Fluke 5500A Multimeter	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Output Resistance	Up to 100 Ω	0.01 % of reading + 0.004 range	Agilent Multimeter 34401A	Internal Procedures EL-024 EL-025	F1, F3	F, O
Electrical	Equipment to Output Resistance	100 Ω to 1 kΩ	0.01 % of reading + 0.001 range	Agilent Multimeter 34401A	Internal Procedures EL-024 EL-025	F1, F3	F, O
Electrical	Equipment to Output Resistance	1 kΩ to 10 kΩ	0.01 % of reading + 0.001 range	Agilent Multimeter 34401A	Internal Procedures EL-024 EL-025	F1, F3	F, O
Electrical	Equipment to Output Resistance	10 kΩ to 100 kΩ	0.01 % of reading + 0.001 range	Agilent Multimeter 34401A	Internal Procedures EL-024 EL-025	F1, F3	F, O
Electrical	Equipment to Output Resistance	100 kΩ to 1 MΩ	0.01 % of reading + 0.001 range	Agilent Multimeter 34401A	Internal Procedures	F1, F3	F, O

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					EL-024 EL-025		
Electrical	Equipment to Output Resistance	1 MΩ to 10 MΩ	0.04 % of reading + 0.001 range	Agilent Multimeter 34401A	Internal Procedures EL-024 EL-025	F1, F3	F, O
Electrical	Equipment to Output Resistance	10 MΩ to 100 MΩ	0.8 % of reading + 0.01 range	Agilent Multimeter 34401A	Internal Procedures EL-024 EL-025	F1, F3	F, O
Electrical	Electrical Current Derivator (Shunt)	10 A to 150 A	0.007 9 A	Fluke 5500A Multimeter	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Output AC High Voltage (Hy-Pot)	1 kV to 6 kV	0.38 kV	Fluke 177 Multimeter	CENAM Technical Guide	F1, F2	O
Electrical	Equipment to Output DC High Voltage (Hy-Pot)	1 kV to 6 kV	0.1 kV	Fluke 177 Multimeter Fluke 80K-40	CENAM Technical Guide	F1, F2	O
Electrical	Equipment to Measure Resistance	100 Ω	0.03 Ω	Megabox Resistance	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure Resistance	500 Ω	0.18 Ω	Megabox Resistance	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure Resistance	1 kΩ	0.014 kΩ	Megabox Resistance	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure Resistance	10 kΩ	0.022 kΩ	Megabox Resistance	CENAM Technical Guide	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 Resistance	100 kΩ	0.02 kΩ	Megabox Resistance	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure Resistance	1 MΩ	0.015 MΩ	Megabox Resistance	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure Resistance	10 MΩ	0.023 MΩ	Megabox Resistance	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure Resistance	100 MΩ	0.022 MΩ	Megabox Resistance	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure Resistance	1 GΩ	0.014 MΩ	Megabox Resistance	CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type E	-130 °C to 800 °C	0.89 °C	Fluke 5500A Electrical Simulation of Thermocouple Output	CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type E	-60 °C to 1 000 °C	0.26 °C	Fluke 5500A Electrical Simulation of Thermocouple Output	CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type E	-40 °C to 1 200 °C	0.77 °C	Fluke 5500A Electrical Simulation of Thermocouple Output	CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type E	-140 °C to 130 °C	1.2 °C	Fluke 5500A Electrical Simulation of Thermocouple Output	CENAM Technical Guide	F1, F2	F, O

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Electrical	Equipment to Measure DC Voltage	0 mV to 329.99 mV	0.006 % of reading + 3 µV	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure DC Voltage	329.99 mV to 3.299 V	0.005 % of reading + 5 µV	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure DC Voltage	3.299 V to 32.999 V	0.005 % of reading + 50 µV	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure DC Voltage	30 V to 329.99 V	0.005 5 % of reading + 500 µV	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure DC Voltage	100 V to 1 020 V	0.005 5 % of reading + 1 500 µV	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure DC Current	Up to 3.299 99 mA	0.013 % of reading + 0.05 µA	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure DC Current	3.299 99 mA to 32.999 9 mA	0.01 % of reading + 0.25 µA	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure DC Current	32.999 9 mA to 329.999 mA	0.01 % of reading + 3.3 µA	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure DC Current	329.999 mA to 2.199 99 A	0.03 % of reading + 44 µA	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure DC Current	2.199 99 A to 11 A	0.06 % of reading+ 330 µA	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure Resistance	0 Ω to 10.999 Ω	0.012 % of reading + 0.008 Ω	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure Resistance	11 Ω to 32.999 Ω	0.012 % of reading + 0.001 5 Ω	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure Resistance	33 Ω to 109.999 Ω	0.009 % of reading + 0.001 5 Ω	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O

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Electrical	Equipment to Measure Resistance	110 Ω to 329.999 Ω	0.009 % of reading + 0.001 5 Ω	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure Resistance	330 Ω to 1.099 99 kΩ	0.009 % of reading + 0.06 Ω	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure Resistance	1.1 kΩ to 3.299 99 kΩ	0.009 % of reading + 0.06 Ω	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure Resistance	3.3 kΩ to 10.999 9 kΩ	0.009 % of reading + 0.6 Ω	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure Resistance	11 kΩ to 32.999 9 kΩ	0.009 % of reading + 0.6 Ω	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure Resistance	33 kΩ to 109.999 kΩ	0.011 % of reading + 6 Ω	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure Resistance	110 kΩ to 329.999 kΩ	0.012 % of reading + 6 Ω	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure Resistance	330 kΩ to 1.099 99 MΩ	0.015 % of reading + 55 Ω	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure Resistance	1.1 MΩ to 3.299 99 MΩ	0.015 % of reading + 55 Ω	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure Resistance	3.3 MΩ to 10.999 9 MΩ	0.06 % of reading + 550 Ω	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure Resistance	11 MΩ to 32.999 9 MΩ	0.1 % of reading + 550 Ω	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure Resistance	33 MΩ to 109.999 MΩ	0.5 % of reading + 5 500 Ω	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure Resistance	110 MΩ to 330 MΩ	0.5 % of reading + 16 500 Ω	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O

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Electrical	Equipment to Measure AC Voltage (@ 10 Hz to 45 Hz)	1 mV to 32.999 mV	0.35 % of reading + 20 µV	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 45 kHz to 10 kHz)	1 mV to 32.999 mV	0.15 % of reading + 20 µV	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 10 kHz to 20 kHz)	1 mV to 32.999 mV	0.2 % of reading + 20 µV	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 20 kHz to 50 kHz)	1 mV to 32.999 mV	0.25 % of reading + 20 µV	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 50 kHz to 100 kHz)	1 mV to 32.999 mV	0.35 % of reading + 33 µV	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 100 kHz to 500 kHz)	1 mV to 32.999 mV	1 % of reading + 60 µV	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 10 Hz to 45 Hz)	1 mV to 32.999 mV	0.35 % of reading + 20 µV	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 45 kHz to 10 kHz)	1 mV to 32.999 mV	0.15 % of reading + 20 µV	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O

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Electrical	Equipment to Measure AC Voltage (@ 10 kHz to 20 kHz)	1 mV to 32.999 mV	0.2 % of reading + 20 µV	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 20 kHz to 50 kHz)	1 mV to 32.999 mV	0.25 % of reading + 20 µV	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 50 kHz to 100 kHz)	1 mV to 32.999 mV	0.35 % of reading + 33 µV	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 100 kHz to 500 kHz)	1 mV to 32.999 mV	1 % of reading + 60 µV	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 10 Hz to 45 Hz)	33 mV to 329.999 mV	0.25 % of reading + 50 µV	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 45 kHz to 10 kHz)	33 mV to 329.999 mV	0.05 % of reading + 20 µV	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 10 kHz to 20 kHz)	33 mV to 329.999 mV	0.1 % of reading + 20 µV	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 20 kHz to 50 kHz)	33 mV to 329.999 mV	0.16 % of reading + 40 µV	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O

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Electrical	Equipment to Measure AC Voltage (@ 50 kHz to 100 kHz)	33 mV to 329.999 mV	0.24 % of reading + 170 µV	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 100 kHz to 500 kHz)	33 mV to 329.999 mV	0.7 % of reading + 330 µV	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 10 Hz to 45 Hz)	0.33 V to 3.299 99 V	0.15 % of reading + 250 µV	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 45 kHz to 10 kHz)	0.33 V to 3.299 99 V	0.03 % of reading + 60 µV	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 10 kHz to 20 kHz)	0.33 V to 3.299 99 V	0.08 % of reading + 60 µV	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 20 kHz to 50 kHz)	0.33 V to 3.299 99 V	0.14 % of reading + 300 µV	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 50 kHz to 100 kHz)	0.33 V to 3.299 99 V	0.24 % of reading + 1 700 µV	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 100 kHz to 500 kHz)	0.33 V to 3.299 99 V	0.5 % of reading + 3 300 µV	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O

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Electrical	Equipment to Measure AC Voltage (@ 10 Hz to 45 Hz)	3.3 V to 32.999 9 V	0.15 % of reading + 2 500 µV	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 45 kHz to 10 kHz)	3.3 V to 32.999 9 V	0.04 % of reading + 600 µV	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 10 kHz to 20 kHz)	3.3 V to 32.999 9 V	0.08 % of reading + 2 600 µV	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 20 kHz to 50 kHz)	3.3 V to 32.999 9 V	0.19 % of reading + 5 000 µV	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 50 kHz to 100 kHz)	3.3 V to 32.999 9 V	0.24 % of reading + 17 000 µV	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 45 Hz to 1 kHz)	33 V to 329.999 9 V	0.05 % of reading + 6 600 µV	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 1 kHz to 10 kHz)	33 V to 329.999 9 V	0.08 % of reading + 15 000 µV	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 10 kHz to 20 kHz)	33 V to 329.999 9 V	0.09 % of reading + 33 000 µV	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O

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Electrical	Equipment to Measure AC Voltage (@ 45 Hz to 1 kHz)	330 V to 1 020 V	0.05 % of reading + 80 000 µV	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 1 kHz to 5 kHz)	330 V to 1 020 V	0.2 % of reading + 100 000 µV	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (@ 5 kHz to 10 kHz)	330 V to 1 020 V	0.2 % of reading + 500 000 µV	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 10 Hz to 20 Hz)	0.029 mA to 0.329 99 mA	0.25 % of reading + 0.15 µA	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 20 Hz to 45 Hz)	0.029 mA to 0.329 99 mA	0.13 % of reading + 0.15 µA	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 45 Hz to 1 kHz)	0.029 mA to 0.329 99 mA	0.13 % of reading + 0.25 µA	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@1 kHz to 5 kHz)	0.029 mA to 0.329 99 mA	0.4 % of reading + 0.15 µA	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 5 kHz to 10 kHz)	0.029 mA to 0.329 99 mA	1.3 % of reading + 0.15 µa	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O

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Electrical	Equipment to Measure AC Current (@ 10 Hz to 20 Hz)	0.33 mA to 3.299 9 mA	0.2 % of reading + 0.3 µA	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 20 Hz to 45 Hz)	0.33 mA to 3.299 9 mA	0.1 % of reading + 0.3 µA	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 45 Hz to 1 kHz)	0.33 mA to 3.299 9 mA	0.1 % of reading + 0.3 µA	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@1 kHz to 5 kHz)	0.33 mA to 3.299 9 mA	0.2 % of reading + 0.3 µA	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 5 kHz to 10 kHz)	0.33 mA to 3.299 9 mA	0.6 % of reading + 0.3 µa	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 10 Hz to 20 Hz)	3.3 mA to 32.999 9 mA	0.2 % of reading + 3 µA	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 20 Hz to 45 Hz)	3.3 mA to 32.999 9 mA	0.1 % of reading + 3 µA	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 45 Hz to 1 kHz)	3.3 mA to 32.999 9 mA	0.09 % of reading + 3 µA	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O

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Electrical	Equipment to Measure AC Current (@1 kHz to 5 kHz)	3.3 mA to 32.999 9 mA	0.2 % of reading + 3 µA	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 5 kHz to 10 kHz)	3.3 mA to 32.999 9 mA	0.6 % of reading + 3 µa	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 10 Hz to 20 Hz)	33 mA to 329.999 mA	0.2 % of reading + 30 µA	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 20 Hz to 45 Hz)	33 mA to 329.999 mA	0.1 % of reading + 30 µA	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 45 Hz to 1 kHz)	33 mA to 329.999 mA	0.09 % of reading + 30 µA	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@1 kHz to 5 kHz)	33 mA to 329.999 mA	0.2 % of reading + 30 µA	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 5 kHz to 10 kHz)	33 mA to 329.999 mA	0.6 % of reading + 30 µa	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 10 Hz to 45 Hz)	0.33 A to 2.199 99 A	0.2 % of reading + 300 µA	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O

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Electrical	Equipment to Measure AC Current (@ 45 Hz to 1 kHz)	0.33 A to 2.199 99 A	0.1 % of reading + 300 µA	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 1 kHz to 5 kHz)	0.33 A to 2.199 99 A	0.75 % of reading + 300 µA	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 45 Hz to 65 Hz)	2.2 A to 11 A	0.06 % of reading + 2 000 µA	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 65 Hz to 500 Hz)	2.2 A to 11 A	0.1 % of reading + 2 000 µA	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure AC Current (@ 500 Hz to 1 kHz)	2.2 A to 11 A	0.33 % of reading + 2 000 µA	Fluke 5500A Multicalibrator	CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	0.33 nF to 0.4999 nF	0.5 % of reading + 0.01 pF	Fluke 5500A Multicalibrator	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	0.5 nF to 1.0999nF	0.5 % of reading + 0.01 pF	Fluke 5500A Multicalibrator	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	1.1 nF to 3.2999 nF	0.5 % of reading + 0.01 pF	Fluke 5500A Multicalibrator	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O

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Calidad Mx, S.A. de C.V.

Pino # 3908, Col. Jardines de San Rafael
Guadalupe, Nuevo Leon, México. C.P. 67110
Contact Name: Alejandro Lujan Phone: 818-379-2710

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Electrical	Equipment to Measure Capacitance	3.3 nF to 10.999nF	0.5 % of reading + 0.01 pF	Fluke 5500A Multicalibrator	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	11 nF to 32.999 nF	0.25 % of reading + 0.1 pF	Fluke 5500A Multicalibrator	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	33 nF to 109.99 nF	0.25 % of reading + 0.1 pF	Fluke 5500A Multicalibrator	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	110 nF to 329.99 nF	0.25 % of reading + 0.3 pF	Fluke 5500A Multicalibrator	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	0.33 µF to 1.0999 µF	0.25 % of reading + 1 pF	Fluke 5500A Multicalibrator	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	1.1 µF to 3.2999 µF	0.35 % of reading + 3 pF	Fluke 5500A Multicalibrator	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	3.3 µF to 10.999 µF	0.35 % of reading + 10 nF	Fluke 5500A Multicalibrator	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	11 µF to 32.999 µF	0.4 % of reading + 30 nF	Fluke 5500A Multicalibrator	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O

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Electrical	Equipment to Measure Capacitance	33 µF to 109.99 µF	0.5 % of reading + 100 nF	Fluke 5500A Multicalibrator	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	110 µF to 329.99 µF	0.7 % of reading + 300 nF	Fluke 5500A Multicalibrator	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	0.33 mF to 1.1 mF	1 % of reading + 300 nF	Fluke 5500A Multicalibrator	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type B	600 °C to 800 °C	0.44 °C	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	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	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	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	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O

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Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type B	1 550 °C to 1 820 °C	0.33 °C	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type C	0 °C to 150 °C	0.3 °C	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type C	150 °C to 650 °C	0.26 °C	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	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	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	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	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O

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Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type C	1 800 °C to 2 316 °C	0.84 °C	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type E	-250 °C to -100 °C	0.5 °C	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type E	-100 °C to -25 °C	0.16 °C	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type E	-25 °C to 350 °C	0.14 °C	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type E	350 °C to 650 °C	0.16 °C	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O

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Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type E	650 °C to 1 000 °C	0.21 °C	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type J	-210 °C to -100 °C	0.27 °C	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type J	-100 °C to -30 °C	0.16 °C	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type J	-30 °C to 150 °C	0.14 °C	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type J	150 °C to 760 °C	0.17 °C	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O

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Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type J	760 °C to 1 200 °C	0.23 °C	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type K	-200 °C to -100 °C	0.33 °C	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type K	-100 °C to -25 °C	0.18 °C	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type K	-25 °C to 120 °C	0.16 °C	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	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	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O

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Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type K	1 000 °C to 1 372 °C	0.4 °C	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type L	-200 °C to -100 °C	0.37 °C	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type L	-100 °C to 800 °C	0.26 °C	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type L	800 °C to 900 °C	0.17 °C	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type N	-200 °C to -100 °C	0.4 °C	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O

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Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type N	-100 °C to -25 °C	0.22 °C	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type N	-25 °C to 120 °C	0.19 °C	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type N	120 °C to 410 °C	0.18 °C	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	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	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type R	0 °C to 250 °C	0.57 °C	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O

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Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type R	250 °C to 400 °C	0.35 °C	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type R	400 °C to 1 000 °C	0.33 °C	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	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	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type S	0 °C to 250 °C	0.47 °C	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	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	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O

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Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type S	1 000 °C to 1 400 °C	0.37 °C	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type S	1 400 °C to 1 767 °C	0.46 °C	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type T	-250 °C to -150 °C	0.63 °C	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type T	-150 °C to 0 °C	0.24 °C	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type T	0 °C to 120 °C	0.16 °C	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O

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Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type T	120 °C to 400 °C	0.14 °C	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type U	-200 °C to 0 °C	0.56 °C	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type U	0 °C to 600 °C	0.27 °C	Fluke 5500A Multicalibrator Electrical Simulation of Thermocouple Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385, 100 Ω	-200 °C to -80 °C	0.05 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385, 100 Ω	-80 °C to 0 °C	0.05 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with	0 °C to 100 °C	0.07 °C	Fluke 5500A Multicalibrator	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O

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	RTD Pt 385, 100 Ω			Electrical Simulation of RTD Output			
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385, 100 Ω	100 °C to 300 °C	0.09 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385, 100 Ω	300 °C to 400 °C	0.1 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385, 100 Ω	400 °C to 630 °C	0.12 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385, 100 Ω	630 °C to 800 °C	0.23 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3926, 100 Ω	-200 °C to -80 °C	0.05 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3926, 100 Ω	-80 °C to 0 °C	0.05 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O

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Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3926, 100 Ω	0 °C to 100 °C	0.07 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3926, 100 Ω	100 °C to 300 °C	0.09 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3926, 100 Ω	300 °C to 400 °C	0.1 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3926, 100 Ω	400 °C to 630 °C	0.12 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3916, 100 Ω	-200 °C to -190 °C	0.25 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3916, 100 Ω	-190 °C to -80 °C	0.04 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O

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Calidad Mx, S.A. de C.V.

Pino # 3908, Col. Jardines de San Rafael
Guadalupe, Nuevo Leon, México. C.P. 67110
Contact Name: Alejandro Lujan Phone: 818-379-2710

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Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3916, 100 Ω	-80 °C to 0 °C	0.05 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3916, 100 Ω	0 °C to 100 °C	0.06 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3916, 100 Ω	100 °C to 260 °C	0.07 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3916, 100 Ω	260 °C to 300 °C	0.08 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3916, 100 Ω	300 °C to 400 °C	0.09 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3916, 100 Ω	400 °C to 600 °C	0.1 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O

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Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3916, 100 Ω	600 °C to 630 °C	0.23 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385, 200 Ω	-200 °C to -80 °C	0.04 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385, 200 Ω	-80 °C to 0 °C	0.04 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385, 200 Ω	0 °C to 100 °C	0.04 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385, 200 Ω	100 °C to 260 °C	0.05 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385, 200 Ω	260 °C to 300 °C	0.12 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O

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Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385, 200 Ω	300 °C to 400 °C	0.13 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385, 200 Ω	400 °C to 600 °C	0.14 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385, 200 Ω	600 °C to 630 °C	0.16 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385, 500 Ω	-200 °C to -80 °C	0.04 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385, 500 Ω	-80 °C to 0 °C	0.05 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385, 500 Ω	0 °C to 100 °C	0.05 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O

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Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385, 500 Ω	100 °C to 260 °C	0.06 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385, 500 Ω	260 °C to 300 °C	0.08 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385, 500 Ω	300 °C to 400 °C	0.08 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385, 500 Ω	400 °C to 600 °C	0.09 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385, 500 Ω	600 °C to 630 °C	0.11 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385, 1 000 Ω	-200 °C to -80 °C	0.03 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O

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Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385, 1 000 Ω	-80 °C to 0 °C	0.03 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385, 1 000 Ω	0 °C to 100 °C	0.04 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385, 1 000 Ω	100 °C to 260 °C	0.05 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385, 1 000 Ω	260 °C to 300 °C	0.06 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385, 1 000 Ω	300 °C to 400 °C	0.07 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385, 1 000 Ω	400 °C to 600 °C	0.07 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O

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Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt Ni 385, 120 Ω	600 °C to 630 °C	0.23 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt Ni 385, 120 Ω	-80 °C to 0 °C	0.08 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt Ni 385, 120 Ω	0 °C to 100 °C	0.08 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt Ni 385, 120 Ω	100 °C to 260 °C	0.14 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt Cu 427, 10 Ω	-100 °C to 260 °C	0.3 °C	Fluke 5500A Multicalibrator Electrical Simulation of RTD Output	Eurament_cg-11 CENAM Technical Guide	F1, F2	F, O
Electrical	Equipment to Output AC Voltage	Up to 100 mV	0.005 % of reading + 0.003 5 % range	Agilent Multimeter 34401A	Internal Procedures EL-024, EL-025	F1, F3	F, O
Electrical	Equipment to Output AC Voltage	100 mV to 1 V	0.004 % of reading + 0.000 7 % range	Agilent Multimeter 34401A	Internal Procedures EL-024, EL-025	F1, F3	F, O

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Electrical	Equipment to Output AC Voltage	1 V to 10 V	0.003 5 % of reading + 0.000 5 % range	Agilent Multimeter 34401A	Internal Procedures EL-024, EL-025	F1, F3	F, O
Electrical	Equipment to Output AC Voltage	10 V to 100 V	0.004 5 % of reading + 0.000 6 % range	Agilent Multimeter 34401A	Internal Procedures EL-024, EL-025	F1, F3	F, O
Electrical	Equipment to Output AC Voltage	100 V to 1 000 V	0.004 5 % of reading + 0.001 % range	Agilent Multimeter 34401A	Internal Procedures EL-024, EL-025	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 3 Hz to 5 Hz)	Up to 100 mV	1 % of reading + 0.04 range	Agilent Multimeter 34401A	Internal Procedures EL-024, EL-025	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 5 Hz to 10 Hz)	Up to 100 mV	0.35 % of reading + 0.04 range	Agilent Multimeter 34401A	Internal Procedures EL-024, EL-025	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 10 Hz to 20 kHz)	Up to 100 mV	0.06 % of reading + 0.04 range	Agilent Multimeter 34401A	Internal Procedures EL-024, EL-025	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 20 kHz to 50 kHz)	Up to 100 mV	0.12 % of reading + 0.04 range	Agilent Multimeter 34401A	Internal Procedures EL-024, EL-025	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 50 kHz to 100 kHz)	Up to 100 mV	0.6 % of reading + 0.08 range	Agilent Multimeter 34401A	Internal Procedures EL-024, EL-025	F1, F3	F, O

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Electrical	Equipment to Output AC Voltage (@ 100 kHz to 300 kHz)	Up to 100 mV	4 % of reading + 0.5 range	Agilent Multimeter 34401A	Internal Procedures EL-024, EL-025	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 3 Hz to 5 Hz)	1 V to 750 V	1 % of reading + 0.03 range	Agilent Multimeter 34401A	Internal Procedures EL-024, EL-025	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 5 Hz to 10 Hz)	1 V to 750 V	0.35 % of reading + 0.03 range	Agilent Multimeter 34401A	Internal Procedures EL-024, EL-025	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 10 Hz to 20 kHz)	1 V to 750 V	0.06 % of reading + 0.03 range	Agilent Multimeter 34401A	Internal Procedures EL-024, EL-025	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 20 kHz to 50 kHz)	1 V to 750 V	0.12 % of reading + 0.04 range	Agilent Multimeter 34401A	Internal Procedures EL-024, EL-025	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 50 kHz to 100 kHz)	1 V to 750 V	0.6 % of reading + 0.08 range	Agilent Multimeter 34401A	Internal Procedures EL-024, EL-025	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 100 kHz to 300 kHz)	1 V to 750 V	4 % of reading + 0.5 range	Agilent Multimeter 34401A	Internal Procedures EL-024, EL-025	F1, F3	F, O
Electrical	Equipment to Output DC Current	Up to 10 mA	0.05 % of reading + 0.02 range	Agilent Multimeter 34401A	Internal Procedures EL-024, EL-025	F1, F3	F, O

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Electrical	Equipment to Output DC Current	10 mA to 100 mA	0.05 % of reading + 0.005 range	Agilent Multimeter 34401A	Internal Procedures EL-024, EL-025	F1, F3	F, O
Electrical	Equipment to Output DC Current	100 mA to 1 A	0.1 % of reading + 0.01 range	Agilent Multimeter 34401A	Internal Procedures EL-024, EL-025	F1, F3	F, O
Electrical	Equipment to Output DC Current	1 A to 3 A	0.12 % of reading + 0.02 range	Agilent Multimeter 34401A	Internal Procedures EL-024, EL-025	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 3 Hz to 5 Hz)	Up to 1 A	1 % of reading + 0.04 range	Agilent Multimeter 34401A	Internal Procedures EL-024, EL-025	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 5 Hz to 10 Hz)	Up to 1 A	0.3 % of reading + 0.04 range	Agilent Multimeter 34401A	Internal Procedures EL-024, EL-025	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 10 Hz to 5 kHz)	Up to 1 A	0.1 % of reading + 0.04 range	Agilent Multimeter 34401A	Internal Procedures EL-024, EL-025	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 3 Hz to 5 Hz)	Up to 3 A	1.1 % of reading + 0.06 range	Agilent Multimeter 34401A	Internal Procedures EL-024, EL-025	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 5 Hz to 10 Hz)	Up to 3 A	0.35 % of reading + 0.06 range	Agilent Multimeter 34401A	Internal Procedures EL-024, EL-025	F1, F3	F, O

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Electrical	Equipment to Output AC Current (@ 10 Hz to 5 kHz)	Up to 3 A	0.15 % of reading + 0.06 range	Agilent Multimeter 34401A	Internal Procedures EL-024, EL-025	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.

5. The term L represents length in inches or millimeters as appropriate to the uncertainty statement.

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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.