



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Enviren Calibrations

202 State Street, Binghamton, NY 13905

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

ISO/IEC 17025:2017 & Meets the Requirements of ANSI/NC SL Z540.3-2006

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

Dimensional, Electrical, Mechanical, Thermodynamic and Time and Frequency
(As detailed in the supplement)

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

For PJLA:

Tracy Szerszen
President

Initial Accreditation Date:

April 08, 2014

Issue Date:

May 11, 2026

Expiration Date:

July 31, 2028

Accreditation No.:

76664

Certificate No.:

L26-410

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

*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.pjilabs.com*



Certificate of Accreditation: Supplement

Enviren Calibrations

202 State Street, Binghamton, NY 13905
Contact Name: David Carter Phone: 607-723-0999

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

FIELD OF CALIBRATION	MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	EXPANDED MEASUREMENT UNCERTAINTY ($\pm$) ¹	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	FLEX CODE	LOCATION OF ACTIVITY
Dimensional	Calipers	Up to 24 in	4.4 μ in/in + 270 μ in	Gage Blocks	WI 7.2.1-08 WI 7.2.1-03	F1, F3	F, O
Dimensional	Indicators	Up to 1 in	2.1 μ in/in + 28 μ in	Gage Blocks	WI 7.2.1-08 WI 7.2.1-03	F1, F3	F, O
Dimensional	Micrometers	Up to 1 in	6.7 μ in/in + 1.5 μ in	Gage Blocks	WI 7.2.1-08 WI 7.2.1-03	F1, F3	F, O
Dimensional	Thread Plug Gage (Effective Pitch Diameter)	0.039 in to 2.36 in	(80 + 5L) μ in	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Thread Plug Gage (Simple Pitch Diameter)	0.039 in to 2.36 in	(80 + 5L) μ in	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Thread Plug Gage (Major Diameter)	0.039 in to 2.36 in	(80 + 5L) μ in	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Thread Plug Gage (Minor Diameter)	0.039 in to 2.36 in	(100 + 5L) μ in	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Thread Plug Gage (Thread Pitch)	0.039 in to 2.36 in	(40 + 5L) μ in	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Thread Plug Gage (Accumulated Pitch Deviation)	0.039 in to 2.36 in	(40 + 5L) μ in	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Thread Plug Gage (Flank Angles) (Pitch $\leq$ 0.039 4 in (1 mm))	4.5° to 90° (Half Angle)	0.1°	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Thread Plug Gage (Flank Angles) (Pitch $>$ 0.039 4 in (1 mm))	4.5° to 90° (Half Angle)	0.1°	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Thread Plug Gage (Taper)	0.039 in to 2.36 in	22 μ in	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Thread Rings (Simple Pitch Diameter)	0.118 in to 2.36 in	(80 + 5L) μ in	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Thread Rings (Major Diameter)	0.118 in to 2.36 in	(80 + 5L) μ in	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F



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Dimensional	Thread Rings (Minor Diameter)	0.118 in to 2.36 in	(100 + 5L) μ in	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Thread Rings (Thread Pitch)	0.118 in to 2.36 in	(40 + 5L) μ in	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Thread Rings (Accumulated Pitch Deviation)	0.118 in to 2.36 in	(40 + 5L) μ in	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Thread Rings (Flank Angles) (Pitch $\leq$ 0.039 4 in (1 mm))	4.5° to 90° (Half Angle)	0.1°	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Thread Rings (Flank Angles) (Pitch > 0.039 4 in (1 mm))	4.5° to 90° (Half Angle)	0.1°	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Thread Rings (Taper)	0.118 in to 2.36 in	22 μ in	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Taper Pipe Thread Plugs (Effective Pitch Diameter)	0.039 in to 2.36 in	(80 + 5L) μ in	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Taper Pipe Thread Plugs (Simple Pitch Diameter)	0.039 in to 2.36 in	(80 + 5L) μ in	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Taper Pipe Thread Plugs (Major Diameter)	0.039 in to 2.36 in	(80 + 5L) μ in	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Taper Pipe Thread Plugs (Minor Diameter)	0.039 in to 2.36 in	(100 + 5L) μ in	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Taper Pipe Thread Plugs (Thread Pitch)	0.039 in to 2.36 in	(40 + 5L) μ in	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Taper Pipe Thread Plugs (Accumulated Pitch Deviation)	0.039 in to 2.36 in	(40 + 5L) μ in	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Taper Pipe Thread Plugs (Flank Angles) (Pitch $\leq$ 0.039 4 in (1 mm))	4.5° to 90° (Half Angle)	0.1°	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F



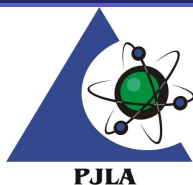
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Dimensional	Taper Pipe Thread Plugs (Flank Angles) (Pitch ≤ 0.0394 in (1 mm))	4.5° to 90° (Half Angle)	0.1°	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Taper Pipe Thread Plugs (Taper)	0.039 in to 2.36 in	22 μ in	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Taper Pipe Thread Rings (Effective Pitch Diameter)	0.118 in to 2.36 in	(80 + 5L) μ in	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Taper Pipe Thread Rings (Simple Pitch Diameter)	0.118 in to 2.36 in	(80 + 5L) μ in	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Taper Pipe Thread Rings (Major Diameter)	0.118 in to 2.36 in	(80 + 5L) μ in	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Taper Pipe Thread Rings (Minor Diameter)	0.118 in to 2.36 in	(100 + 5L) μ in	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Taper Pipe Thread Rings (Thread Pitch)	0.118 in to 2.36 in	(40 + 5L) μ in	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Taper Pipe Thread Rings (Accumulated Pitch Deviation)	0.118 in to 2.36 in	(40 + 5L) μ in	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Taper Pipe Thread Rings (Flank Angles) (Pitch ≤ 0.0394 in (1 mm))	4.5° to 90° (Half Angle)	0.1°	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Taper Pipe Thread Rings (Flank Angles) (Pitch ≤ 0.0394 in (1 mm))	4.5° to 90° (Half Angle)	0.1°	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Taper Pipe Thread Rings (Taper)	0.118 in to 2.36 in	22 μ in	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Thread Set Plug Gages (Effective Pitch Diameter)	0.118 in to 2.36 in	(80 + 5L) μ in	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Thread Set Plug Gages (Simple Pitch Diameter)	0.118 in to 2.36 in	(80 + 5L) μ in	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F



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Dimensional	Thread Set Plug Gages (Major Diameter)	0.118 in to 2.36 in	(80 + 5L) μ in	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Thread Set Plug Gages (Minor Diameter)	0.118 in to 2.36 in	(100 + 5L) μ in	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Thread Set Plug Gages (Thread Pitch)	0.118 in to 2.36 in	(40 + 5L) μ in	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Thread Set Plug Gages (Accumulated Pitch Deviation)	0.118 in to 2.36 in	(40 + 5L) μ in	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Thread Set Plug Gages (Flank Angles) (Pitch $\leq$ 0.039 4 in (1 mm))	4.5° to 90° (Half Angle)	0.1°	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Thread Set Plug Gages (Flank Angles) (Pitch $\leq$ 0.039 4 in (1 mm))	4.5° to 90° (Half Angle)	0.1°	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Thread Set Plug Gages (Taper)	0.118 in to 2.36 in	22 μ in	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Plug Gages (Outer Diameter) (Taper)	0.039 in to 2.36 in	5 μ in	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Plug Gages (Diameter)	0.039 in to 2.36 in	(80 + 2L) μ in	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Ring Gages (Inner Diameter) (Taper)	0.118 in to 2.36 in	5 μ in	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Ring Gages (Diameter)	0.118 in to 2.36 in	(40 + 5L) μ in	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Luer Tapered Plugs (Small Diameter)	Up to 60 mm	(80 + 2L) μ in	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Luer Tapered Plugs (Large Diameter)	Up to 60 mm	(80 + 2L) μ in	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Luer Tapered Plugs (Taper)	1:64 mm/mm to 1:0 mm/mm	0.000 13 mm	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F



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Dimensional	Luer Tapered Rings (Small Diameter)	Up to 60 mm	(80 + 2L) μ in	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Luer Tapered Rings (Large Diameter)	Up to 60 mm	(80 + 2L) μ in	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Dimensional	Luer Tapered Rings (Taper)	1:64 mm/mm to 1:0 mm/mm	0.000 13 mm	IAC Masterscanner	WI 7.2.1-15 WI 7.2.1-16	F1, F3	F
Electrical	Equipment to Measure DC Voltage	33 mV to 329.9 mV	0.001 6 % of value + 0.000 81 mV	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure DC Voltage	329.9 V to 3.29 V	0.000 46 % of value + 0.021 mV	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure DC Voltage	3.29 V to 32.9 V	0.000 84 % of value + 0.067 mV	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure DC Voltage	30 V to 329.9 V	0.001 4 % of value + 0.12 mV	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure DC Voltage	100 V to 1 000 V	0.001 4 % of value + 1.9 mV	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure Resistance	33 μ A to 329.9 μ A	0.012 % of value + 0.016 μ A	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure Resistance	0.3299 mA to 3.29 mA	0.007 5 % of value + 0.05 μ A	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure Resistance	3.29 mA to 32.9 mA	0.007 4 % of value + 0.34 μ A	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure Resistance	32.9 mA to 329.9 mA	0.006 5 % of value + 6.9 μ A	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure Resistance	0.1 A to 1.09 A	0.015 % of value + 0.038 mA	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure Resistance	1.1 A to 2.9 A	0.028 % of value + 0.1 mA	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure Resistance	2.9 A to 10.9 A	0.036 % of value + 0.73 mA	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O



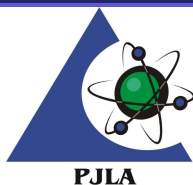
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Electrical	Equipment to Measure Resistance	11 A to 20.5 A	0.077 % of value + 0.79 mA	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure Resistance	0.1 Ω to 10.9 Ω	0.003 1 % of value + 0.000 78 Ω	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure Resistance	11 Ω to 32.9 Ω	0.002 4 % of value + 0.001 2 Ω	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure Resistance	33 Ω to 109.9 Ω	0.002 2 % of value + 0.001 1 Ω	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure Resistance	110 Ω to 329.9 Ω	0.002 2 % of value + 0.001 6 Ω	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure Resistance	330 k Ω to 1.09 k Ω	0.002 2 % of value + 0.001 5 Ω	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure Resistance	1.1 k Ω to 3.29 k Ω	0.002 3 % of value + 0.15 Ω	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure Resistance	3.3 k Ω to 10.9 k Ω	0.002 3 % of value + 0.000 15 k Ω	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure Resistance	11 k Ω to 32.9 k Ω	0.002 6 % of value + 0.001 5 k Ω	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure Resistance	33 k Ω to 109.9 k Ω	0.25 % of value + 1.6 Ω	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure Resistance	110 k Ω to 329.9 M Ω	0.48 % of value + 22 Ω	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure Resistance	330 k Ω to 1.09 M Ω	0.01 % of value + 0.039 k Ω	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure Resistance	1.1 M Ω to 3.29 M Ω	0.021 % of value + 0.001 8 M Ω	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure Resistance	3.3 M Ω to 10.9 M Ω	0.04 % of value + 0.002 1 M Ω	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure Resistance	11 M Ω to 32.9 M Ω	0.24 % of value + 0.075 M Ω	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O



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Electrical	Equipment to Measure Resistance	33 M Ω to 109.9 M Ω	0.27 % of value + 23 M Ω	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure Resistance	110 M Ω to 329.9 M Ω	0.003 1 % of value + 0.000 78 Ω	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure Resistance	330 M Ω to 1 100 M Ω	0.002 4 % of value + 0.001 2 Ω	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 10 Hz to 45 Hz)	1 mV to 32.9 mV	0.06 % of value + 0.005 5 mV	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 45 Hz to 10 kHz)	1 mV to 32.9 mV	0.008 3 % of value + 0.007 9 mV	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 10 kHz to 20 kHz)	1 mV to 32.9 mV	0.006 9 % of value + 0.011 mV	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 20 kHz to 50 kHz)	1 mV to 32.9 mV	0.061 % of value + 0.013 mV	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 50 kHz to 100 kHz)	1 mV to 32.9 mV	0.27 % of value + 0.012 mV	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 100 kHz to 500 kHz)	1 mV to 32.9 mV	0.13 % of value + 0.33 mV	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 10 Hz to 45 Hz)	33 mV to 329.9 mV	0.023 % of value + 0.009 3 mV	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 45 Hz to 10 kHz)	33 mV to 329.9 mV	0.01 % of value + 0.01 mV	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O



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Electrical	Equipment to Measure AC Voltage (@ 10 kHz to 20 kHz)	33 mV to 329.9 mV	0.012 % of value + 0.01 mV	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 20 kHz to 50 kHz)	33 mV to 329.9 mV	0.025 % of value + 0.013 mV	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 50 kHz to 100 kHz)	33 mV to 329.9 mV	0.061 % of value + 0.031 mV	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 100 kHz to 500 kHz)	33 mV to 329.9 mV	0.15 % of value + 0.082 mV	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 10 Hz to 45 Hz)	0.33 V to 3.29 V	0.022 % of value + 0.074 mV	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 45 Hz to 10 kHz)	0.33 V to 3.29 V	0.011 % of value + 0.093 mV	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 10 kHz to 20 kHz)	0.33 V to 3.29 V	0.014 % of value + 0.087 mV	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 20 kHz to 50 kHz)	0.33 V to 3.29 V	0.022 % of value + 0.087 mV	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 50 kHz to 100 kHz)	0.33 V to 3.29 V	0.053 % of value + 0.16 mV	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 100 kHz to 500 kHz)	0.33 V to 3.29 V	0.18 % of value + 0.84 mV	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O



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Electrical	Equipment to Measure AC Voltage (@ 10 Hz to 45 Hz)	3.3 V to 32.9 V	0.022 % of value + 0.82 mV	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 45 Hz to 10 kHz)	3.3 V to 32.9 V	0.011 % of value + 0.9 mV	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 10 kHz to 20 kHz)	3.3 V to 32.9 V	0.018 % of value + 0.84 mV	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 20 kHz to 50 kHz)	3.3 V to 32.9 V	0.026 % of value + 1 mV	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 50 kHz to 100 kHz)	3.3 V to 32.9 V	0.068 % of value + 2 mV	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 45 Hz to 1 kHz)	33 V to 329.9 V	0.013 % of value + 9.5 mV	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 1 kHz to 10 kHz)	33 V to 329.9 V	0.014 % of value + 11 mV	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 10 kHz to 20 kHz)	33 V to 329.9 V	0.014 % of value + 11 mV	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 20 kHz to 50 kHz)	33 V to 329.9 V	0.018 % of value + 26 mV	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 50 kHz to 100 kHz)	33 V to 329.9 V	0.14 % of value + 100 mV	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O



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Electrical	Equipment to Measure AC Voltage (@ 45 Hz to 1 kHz)	330 V to 1 000 V	0.022 % of value + 20 mV	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 1 kHz to 5 kHz)	330 V to 1 000 V	0.019 % of value + 19 mV	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 5 kHz to 10 kHz)	330 V to 1 000 V	0.023 % of value + 18 mV	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 10 Hz to 20 Hz)	29 μ A to 329.9 μ A	0.15 % of value + 0.096 μ A	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 20 Hz to 45 Hz)	29 μ A to 329.9 μ A	0.12 % of value + 0.093 μ A	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 45 Hz to 1 kHz)	29 μ A to 329.9 μ A	0.095 % of value + 0.096 μ A	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 1 kHz to 5 kHz)	29 μ A to 329.9 μ A	0.23 % of value + 0.41 μ A	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 5 kHz to 10 kHz)	29 μ A to 329.9 μ A	0.23 % of value + 0.41 μ A	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 10 kHz to 30 kHz)	29 μ A to 329.9 μ A	1.2 % of value + 2.2 μ A	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 10 Hz to 20 Hz)	0.33 mA to 3.29 mA	0.15 % of value + 0.000 3 mA	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O



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Electrical	Equipment to Measure AC Current (@ 20 Hz to 45 Hz)	0.33 mA to 3.29 mA	0.087 % of value + 0.000 53 mA	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 45 Hz to 1 kHz)	0.33 mA to 3.29 mA	0.073 % of value + 0.000 31 mA	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 1 kHz to 5 kHz)	0.33 mA to 3.29 mA	0.15 % of value + 0.000 65 mA	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 5 kHz to 10 kHz)	0.33 mA to 3.29 mA	0.38 % of value + 0.000 84 mA	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 10 kHz to 30 kHz)	0.33 mA to 3.29 mA	0.76 % of value + 0.003 7 mA	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 10 Hz to 20 Hz)	3.3 mA to 32.9 mA	0.14 % of value + 0.003 mA	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 20 Hz to 45 Hz)	3.3 mA to 32.9 mA	0.065 % of value + 0.003 4 mA	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 45 Hz to 1 kHz)	3.3 mA to 32.9 mA	0.026 % of value + 0.003 7 mA	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 1 kHz to 5 kHz)	3.3 mA to 32.9 mA	0.056 % of value + 0.004 3 mA	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 5 kHz to 10 kHz)	3.3 mA to 32.9 mA	0.14 % of value + 0.006 9 mA	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O



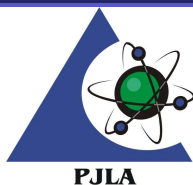
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Electrical	Equipment to Measure AC Current (@ 10 kHz to 30 kHz)	3.3 mA to 32.9 mA	0.28 % of value + 0.017 mA	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 10 Hz to 20 Hz)	33 mA to 329.9 mA	0.14 % of value + 0.031 mA	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 20 Hz to 45 Hz)	33 mA to 329.9 mA	0.065 % of value + 0.036 mA	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 45 Hz to 1 kHz)	33 mA to 329.9 mA	0.026 % of value + 0.038 mA	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 1 kHz to 5 kHz)	33 mA to 329.9 mA	0.074 % of value + 0.056 mA	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 5 kHz to 10 kHz)	33 mA to 329.9 mA	0.15 % of value + 0.11 mA	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 10 kHz to 30 kHz)	33 mA to 329.9 mA	0.074 % of value + 0.001 2 A	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 10 Hz to 45 Hz)	0.33 A to 2.9 A	0.008 7 % of value + 0.001 1 A	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 45 Hz to 1 kHz)	0.33 A to 2.9 A	0.45 % of value + 0.001 1 A	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 1 kHz to 5 kHz)	0.33 A to 2.9 A	1.9 % of value + 0.004 A	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O



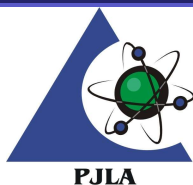
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Electrical	Equipment to Measure AC Current (@ 5 kHz to 10 kHz)	0.33 A to 2.9 A	0.13 % of value + 0.000 38 A	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 45 Hz to 100 Hz)	3 A to 10.9 A	0.035 % of value + 0.000 65 A	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 100 kHz to 1 kHz)	3 A to 10.9 A	0.46 % of value + 0.000 91 A	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 1 kHz to 5 kHz)	3 A to 10.9 A	1.9 % of value + 0.004 A	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 45 Hz to 100 Hz)	11 A to 20.5 A	0.04 % of value + 0.002 7 A	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 100 Hz to 1 kHz)	11 A to 20.5 A	0.072 % of value + 0.002 5 A	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 1 kHz to 5 kHz)	11 A to 20.5 A	2.3 % of value + 0.001 7 A	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 10 Hz to 45 Hz)	11 A to 20.5 A	0.09 % of value + 0.004 9 A	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 45 Hz to 1 000 Hz)	11 A to 20.5 A	0.11 % of value + 0.004 8 A	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 1 kHz to 5 kHz)	11 A to 20.5 A	2.3 % of value + 0.004 A	Fluke 5522A	WI 7.2.1-48	F1, F3	F, O



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Electrical	Equipment to Measure Capacitance	0.19 nF to 0.399 9 nF	0.34 % of value + 0.008 1 nF	Fluke 5522A	WI 7.2.1-48 WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Capacitance	0.4 nF to 1.099 9 nF	0.38 % of value + 0.008 nF	Fluke 5522A	WI 7.2.1-48 WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Capacitance	1.1 nF to 3.299 9 nF	0.4 % of value + 0.007 8 nF	Fluke 5522A	WI 7.2.1-48 WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Capacitance	3.3 nF to 10.999 9 nF	0.19 % of value + 0.009 7 nF	Fluke 5522A	WI 7.2.1-48 WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Capacitance	11 nF to 32.999 9 nF	0.2 % of value + 0.078 nF	Fluke 5522A	WI 7.2.1-48 WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Capacitance	33 nF to 109.999 nF	0.19 % of value + 0.091 nF	Fluke 5522A	WI 7.2.1-48 WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Capacitance	110 nF to 329.999 nF	0.15 % of value + 0.57 nF	Fluke 5522A	WI 7.2.1-48 WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Capacitance	0.33 μ F to 1.099 99 μ F	0.19 % of value + 0.000 91 μ F	Fluke 5522A	WI 7.2.1-48 WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Capacitance	1.1 μ F to 3.299 99 μ F	0.15 % of value + 0.005 7 μ F	Fluke 5522A	WI 7.2.1-48 WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Capacitance	3.3 μ F to 10.999 9 μ F	0.2 % of value + 0.008 9 μ F	Fluke 5522A	WI 7.2.1-48 WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Capacitance	11 μ F to 32.999 9 μ F	0.27 % of value + 0.053 μ F	Fluke 5522A	WI 7.2.1-48 WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Capacitance	33 μ F to 109.999 μ F	0.36 % of value + 0.083 μ F	Fluke 5522A	WI 7.2.1-48 WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Capacitance	110 μ F to 329.999 μ F	0.31 % of value + 0.51 μ F	Fluke 5522A	WI 7.2.1-48 WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Capacitance	0.33 mF to 1.099 99 mF	0.34 % of value + 0.98 μ F	Fluke 5522A	WI 7.2.1-48 WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Capacitance	1.1 mF to 3.299 9 mF	0.3 % of value + 5.2 μ F	Fluke 5522A	WI 7.2.1-48 WI 7.2.1-60	F1, F3	F, O



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Electrical	Equipment to Measure Capacitance	3.3 mF to 10.999 9 mF	0.35 % of value + 8.8 μ F	Fluke 5522A	WI 7.2.1-48 WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Capacitance	11 mF to 32.999 9 mF	0.58 % of value + 24 μ F	Fluke 5522A	WI 7.2.1-48 WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Capacitance	33 mF to 110 mF	0.85 % of value + 78 μ F	Fluke 5522A	WI 7.2.1-48 WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type B	600 °C to 800 °C	0.37 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-48 WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type B	800 °C to 1 000 °C	0.29 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-48 WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type B	1 000 °C to 1 550 °C	0.27 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-48 WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type B	1 550 °C to 1 820 °C	0.29 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-48 WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type C	0 °C to 150 °C	0.27 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-48 WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type C	150 °C to 650 °C	0.24 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-48 WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type C	650 °C to 1 000 °C	0.27 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-48 WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type C	1 000 °C to 1 800 °C	0.41 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-48 WI 7.2.1-60	F1, F3	F, O



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Electrical	Equipment to Measure Thermocouple Type C	1 800 °C to 2 316 °C	0.66 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-48 WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type E	-250 °C to -100 °C	0.41 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-48 WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type E	-100 °C to -25 °C	0.18 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-48 WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type E	-25 °C to 350 °C	0.17 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-48 WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type E	350 °C to 650 °C	0.18 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-48 WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type E	650 °C to 1 000 °C	0.2 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-48 WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type J	-210 °C to -100 °C	0.25 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type J	-100 °C to -30 °C	0.18 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type J	-30 °C to 150 °C	0.17 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type J	150 °C to 760 °C	0.18 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O



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Electrical	Equipment to Measure Thermocouple Type J	760 °C to 1 200 °C	0.22 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type K	-200 °C to -100 °C	0.29 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type K	-100 °C to -25 °C	0.19 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type K	-25 °C to 120 °C	0.18 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type K	120 °C to 1 000 °C	0.24 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type K	1 000 °C to 1 372 °C	0.33 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type L	-200 °C to -100 °C	0.34 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type L	-100 °C to 800 °C	0.24 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type L	800 °C to 900 °C	0.18 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type N	-200 °C to -100 °C	0.34 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O



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Electrical	Equipment to Measure Thermocouple Type N	-100 °C to -25 °C	0.21 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type N	-25 °C to 120 °C	0.19 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type N	120 °C to 410 °C	0.19 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type N	410 °C to 130 °C	0.24 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type R	0 °C to 250 °C	0.46 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type R	250 °C to 400 °C	0.3 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type R	400 °C to 1 000 °C	0.29 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type R	1 000 °C to 1 767 °C	0.33 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type S	0 °C to 250 °C	0.39 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type S	250 °C to 1 000 °C	0.31 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O



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Electrical	Equipment to Measure Thermocouple Type S	1 000 °C to 1 400 °C	0.32 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type S	1 400 °C to 1 767 °C	0.38 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type T	-250 °C to -150 °C	0.51 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type T	-150 °C to 0 °C	0.22 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type T	0 °C to 120 °C	0.18 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type T	120 °C to 400 °C	0.16 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type U	-200 °C to 0 °C	0.56 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type U	0 °C to 600 °C	0.25 °C	Fluke 5522A Simulation of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Pt 385,100 Ω	-200 °C to -80 °C	0.05 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Pt 385,100 Ω	-80 °C to 0 °C	0.05 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Pt 385,100 Ω	0 °C to 100 °C	0.07 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O



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Electrical	Equipment to Measure RTD Type Pt 385,100 Ω	100 °C to 300 °C	0.09 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Pt 385,100 Ω	300 °C to 400 °C	0.1 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Pt 385,100 Ω	400 °C to 630 °C	0.12 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Pt 385,100 Ω	630 °C to 800 °C	0.23 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Pt 3926,100 Ω	-200 °C to -80 °C	0.05 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Pt 3926,100 Ω	-80 °C to 0 °C	0.05 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Pt 3926,100 Ω	0 °C to 100 °C	0.07 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Pt 3926,100 Ω	100 °C to 300 °C	0.09 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Pt 3926,100 Ω	300 °C to 400 °C	0.1 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Pt 3926,100 Ω	400 °C to 630 °C	0.12 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Pt 3916,100 Ω	-200 °C to -190 °C	0.25 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Pt 3916,100 Ω	-190 °C to -80 °C	0.04 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Pt 3916,100 Ω	-80 °C to 0 °C	0.05 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Pt 3916,100 Ω	0 °C to 100 °C	0.06 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Pt 3916,100 Ω	100 °C to 260 °C	0.07 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O



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Electrical	Equipment to Measure RTD Type Pt 3916,100 Ω	260 °C to 300 °C	0.08 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Pt 3916,100 Ω	300 °C to 400 °C	0.09 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Pt 3916,100 Ω	400 °C to 600 °C	0.1 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Pt 3916,100 Ω	600 °C to 630 °C	0.23 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Pt 385,200 Ω	-80 °C to 0 °C	0.04 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Pt 385,200 Ω	0 °C to 100 °C	0.04 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Pt 385,200 Ω	100 °C to 260 °C	0.05 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Pt 385,200 Ω	260 °C to 300 °C	0.12 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Pt 385,200 Ω	300 °C to 400 °C	0.13 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Pt 385,200 Ω	400 °C to 600 °C	0.14 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Pt 385,200 Ω	600 °C to 630 °C	0.16 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Pt 385,500 Ω	-200 °C to -80 °C	0.04 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Pt 385,500 Ω	-80 °C to 0 °C	0.05 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Pt 385,500 Ω	0 °C to 100 °C	0.05 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Pt 385,500 Ω	100 °C to 260 °C	0.06 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O



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Electrical	Equipment to Measure RTD Type Pt 385,500 Ω	260 °C to 300 °C	0.08 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Pt 385,500 Ω	300 °C to 400 °C	0.08 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Pt 385,500 Ω	400 °C to 600 °C	0.09 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Pt 385,500 Ω	600 °C to 630 °C	0.11 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Pt 385,1 000 Ω	-200 °C to -80 °C	0.03 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Pt 385,1 000 Ω	-80 °C to 0 °C	0.03 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Pt 385,1 000 Ω	0 °C to 100 °C	0.04 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Pt 385,1 000 Ω	100 °C to 260 °C	0.05 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Pt 385,1 000 Ω	260 °C to 300 °C	0.06 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Pt 385,1 000 Ω	300 °C to 400 °C	0.07 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Pt 385,1 000 Ω	400 °C to 600 °C	0.07 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Pt 385,1 000 Ω	600 °C to 630 °C	0.23 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Ni120,1 209 Ω	-80 °C to 0 °C	0.08 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Ni120,1 209 Ω	0 °C to 100 °C	0.08 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O



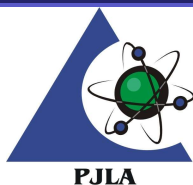
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Electrical	Equipment to Measure RTD Type Ni120, 1 209 Ω	100 °C to 260 °C	0.14 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Measure RTD Type Cu 427, 10 Ω	-100 °C to 260 °C	0.30 °C	Fluke 5522A Simulation of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate Thermocouple Type B	600 °C to 800 °C	0.37 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate Thermocouple Type B	800 °C to 1 000 °C	0.29 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate Thermocouple Type B	1 000 °C to 1 550 °C	0.27 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate Thermocouple Type B	1 550 °C to 1 820 °C	0.29 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate Thermocouple Type C	0 °C to 150 °C	0.27 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate Thermocouple Type C	150 °C to 650 °C	0.24 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate Thermocouple Type C	650 °C to 1 000 °C	0.27 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate Thermocouple Type C	1 000 °C to 1 800 °C	0.41 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O



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Electrical	Equipment to Simulate Thermocouple Type C	1 800 °C to 2 316 °C	0.66 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate Thermocouple Type E	-250 °C to -100 °C	0.41 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate Thermocouple Type E	-100 °C to -25 °C	0.18 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate Thermocouple Type E	-25 °C to 350 °C	0.17 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate Thermocouple Type E	350 °C to 650 °C	0.18 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate Thermocouple Type E	650 °C to 1 000 °C	0.20 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate Thermocouple Type J	-210 °C to -100 °C	0.25 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate Thermocouple Type J	-100 °C to -30 °C	0.18 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate Thermocouple Type J	-30 °C to 150 °C	0.17 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate Thermocouple Type J	150 °C to 760 °C	0.18 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O



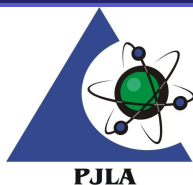
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Electrical	Equipment to Simulate Thermocouple Type J	760 °C to 1 200 °C	0.22 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate Thermocouple Type K	-200 °C to -100 °C	0.29 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate Thermocouple Type K	-100 °C to -25 °C	0.19 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate Thermocouple Type K	-25 °C to 120 °C	0.18 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate Thermocouple Type K	120 °C o 1 000 °C	0.24 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate Thermocouple Type K	1 000 °C to 1 372 °C	0.33 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate Thermocouple Type L	-200 °C to -100 °C	0.34 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate Thermocouple Type L	-100 °C to 800 °C	0.24 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate Thermocouple Type L	800 °C to 900 °C	0.18 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate Thermocouple Type N	-200 °C to -100 °C	0.34 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O



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Electrical	Equipment to Simulate Thermocouple Type N	-100 °C to -25 °C	0.21 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate Thermocouple Type N	-25 °C to 120 °C	0.19 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate Thermocouple Type N	120 °C to 410 °C	0.19 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate Thermocouple Type N	410 °C to 130 °C	0.24 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate Thermocouple Type R	0 °C to 250 °C	0.46 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate Thermocouple Type R	250 °C to 400 °C	0.30 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate Thermocouple Type R	400 °C to 1 000 °C	0.29 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate Thermocouple Type R	1 000 °C to 1 767 °C	0.33 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate Thermocouple Type S	0 °C to 250 °C	0.39 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate Thermocouple Type S	250 °C to 1 000 °C	0.31 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O



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Electrical	Equipment to Simulate Thermocouple Type S	1 000 °C to 1 400 °C	0.32 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate Thermocouple Type S	1 400 °C to 1 767 °C	0.38 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate Thermocouple Type T	-250 °C to -150 °C	0.51 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate Thermocouple Type T	-150 °C to 0 °C	0.22 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate Thermocouple Type T	0 °C to 120 °C	0.18 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate Thermocouple Type T	120 °C to 400 °C	0.16 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate Thermocouple Type U	-200 °C to 0 °C	0.56 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate Thermocouple Type U	0 °C to 600 °C	0.25 °C	Fluke 5522A Measurement of Thermocouple Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Pt 385,100 Ω	-200 °C to -80 °C	0.05 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Pt 385,100 Ω	-80 °C to 0 °C	0.05 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60	F1, F3	F, O



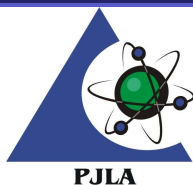
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Electrical	Equipment to Simulate RTD Type Pt 385,100 Ω	0 °C to 100 °C	0.07 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Pt 385,100 Ω	100 °C to 300 °C	0.09 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Pt 385,100 Ω	300 °C to 400 °C	0.1 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Pt 385,100 Ω	400 °C to 630 °C	0.12 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Pt 385,100 Ω	630 °C to 800 °C	0.23 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Pt 3926,100 Ω	-200 °C to -80 °C	0.05 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Pt 3926,100 Ω	-80 °C to 0 °C	0.05 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Pt 3926,100 Ω	0 °C to 100 °C	0.07 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Pt 3926,100 Ω	100 °C to 300 °C	0.09 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Pt 3926,100 Ω	300 °C to 400 °C	0.1 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60	F1, F3	F, O



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Electrical	Equipment to Simulate RTD Type Pt 3926,100 Ω	400 °C to 630 °C	0.12 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Pt 3916,100 Ω	-200 °C to -190 °C	0.25 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Pt 3916,100 Ω	-190 °C to -80 °C	0.04 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Pt 3916,100 Ω	-80 °C to 0 °C	0.05 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Pt 3916,100 Ω	0 °C to 100 °C	0.06 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Pt 3916,100 Ω	100 °C to 260 °C	0.07 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Pt 3916,100 Ω	260 °C to 300 °C	0.08 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Pt 3916,100 Ω	300 °C to 400 °C	0.09 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Pt 3916,100 Ω	400 °C to 600 °C	0.1 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Pt 3916,100 Ω	600 °C to 630 °C	0.23 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60	F1, F3	F, O



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Electrical	Equipment to Simulate RTD Type Pt 385,200 Ω	-80 °C to 0 °C	0.04 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Pt 385,200 Ω	0 °C to 100 °C	0.04 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Pt 385,200 Ω	100 °C to 260 °C	0.05 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Pt 385,200 Ω	260 °C to 300 °C	0.12 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Pt 385,200 Ω	300 °C to 400 °C	0.13 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Pt 385,200 Ω	400 °C to 600 °C	0.14 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Pt 385,200 Ω	600 °C to 630 °C	0.16 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Pt 385,500 Ω	-200 °C to -80 °C	0.04 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60 WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Pt 385,500 Ω	-80 °C to 0 °C	0.05 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60 WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Pt 385,500 Ω	0 °C to 100 °C	0.05 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60 WI 7.2.1-45	F1, F3	F, O



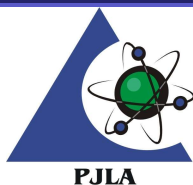
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Electrical	Equipment to Simulate RTD Type Pt 385,500 Ω	100 °C to 260 °C	0.06 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60 WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Pt 385,500 Ω	260 °C to 300 °C	0.08 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60 WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Pt 385,500 Ω	300 °C to 400 °C	0.08 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60 WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Pt 385,500 Ω	400 °C to 600 °C	0.09 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60 WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Pt 385,500 Ω	600 °C to 630 °C	0.11 °Cs	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60 WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Pt 385,1 000 Ω	-200 °C to -80 °C	0.03 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60 WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Pt 385,1 000 Ω	-80 °C to 0 °C	0.03 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60 WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Pt 385,1 000 Ω	0 °C to 100 °C	0.04 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60 WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Pt 385,1 000 Ω	100 °C to 260 °C	0.05 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60 WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Pt 385,1 000 Ω	260 °C to 300 °C	0.06 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60 WI 7.2.1-45	F1, F3	F, O



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Electrical	Equipment to Simulate RTD Type Pt 385,1 000 Ω	300 °C to 400 °C	0.07 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60 WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Pt 385,1 000 Ω	400 °C to 600 °C	0.07 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60 WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Pt 385,1 000 Ω	600 °C to 630 °C	0.23 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60 WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Ni120,1 209 Ω	-80 °C to 0 °C	0.08 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60 WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Ni120,1 209 Ω	0 °C to 100 °C	0.08 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60 WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Ni120,1 209 Ω	100 °C to 260 °C	0.14 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60 WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Simulate RTD Type Cu 427,10 Ω	-100 °C to 260 °C	0.3 °C	Fluke 8508A Measurement of RTD Input	WI 7.2.1-60 WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output DC Voltage	20 mV to 200 mV	0.000 27 % of value + 0.1 μ V	Fluke 8508A	WI 7.2.1-60 WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output DC Voltage	200 mV to 2 V	0.000 27 % of value + 0.004 μ V	Fluke 8508A	WI 7.2.1-60 WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output DC Voltage	2 V to 20 V	0.000 27 % of value + 0.04 μ V	Fluke 8508A	WI 7.2.1-60 WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output DC Voltage	20 V to 200 V	0.000 4 % of value + 0.4 μ V	Fluke 8508A	WI 7.2.1-60 WI 7.2.1-45	F1, F3	F, O



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Electrical	Equipment to Output DC Voltage	200 V to 1 000 V	0.000 4 % of value + 5 μ V	Fluke 8508A	WI 7.2.1-60 WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output DC Current	1 μ A to 200 μ A	0.001 2 % of value + 0.000 4 μ A	Fluke 8508A	WI 7.2.1-60 WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output DC Current	200 μ A to 2 mA	0.001 2 % of value + 0.004 μ A	Fluke 8508A	WI 7.2.1-60 WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output DC Current	2 mA to 20 mA	0.001 3 % of value + 0.04 μ A	Fluke 8508A	WI 7.2.1-60 WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output DC Current	20 mA to 200 mA	0.003 6 % of value + 0.8 μ A	Fluke 8508A	WI 7.2.1-60 WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output DC Current	0.2 A to 2 A	0.017 % of value + 0.16 μ A	Fluke 8508A	WI 7.2.1-60 WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output DC Current	2 A to 20 A	0.038 % of value + 4 μ A	Fluke 8508A	WI 7.2.1-60 WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 1 Hz to 10 Hz)	1 mV to 200 mV	0.016 % of value + 14 μ V	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 10 Hz to 40 Hz)	1 mV to 200 mV	0.013 % of value + 4 μ V	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 40 Hz to 100 Hz)	1 mV to 200 mV	0.011 % of value + 4 μ V	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 100 Hz to 2 kHz)	1 mV to 200 mV	0.01 % of value + 2 μ V	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 2 kHz to 10 kHz)	1 mV to 200 mV	0.01 % of value + 4 μ V	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 10 kHz to 30 kHz)	1 mV to 200 mV	0.03 % of value + 8 μ V	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O



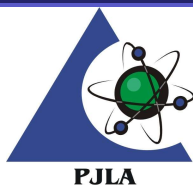
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Electrical	Equipment to Output AC Voltage (@ 30 kHz to 100 kHz)	1 mV to 200 mV	0.071 % of value + 20 μ V	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 1 Hz to 10 Hz)	200 mV to 2 V	0.014 % of value + 1.2 μ V	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 10 Hz to 40 Hz)	200 mV to 2 V	0.011 % of value + 0.2 μ V	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 40 Hz to 100 Hz)	200 mV to 2 V	0.008 7 % of value + 0.2 μ V	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 100 Hz to 2 kHz)	200 mV to 2 V	0.006 6 % of value + 0.2 μ V	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 2 kHz to 10 kHz)	200 mV to 2 V	0.008 6 % of value + 0.2 μ V	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 10 kHz to 30 kHz)	200 mV to 2 V	0.021 % of value + 0.4 μ V	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 30 kHz to 100 kHz)	200 mV to 2 V	0.051 % of value + 2 μ V	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 100 kHz to 300 kHz)	200 mV to 2 V	0.3 % of value + 20 μ V	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 300 MHz to 1 MHz)	200 mV to 2 V	1 % of value + 200 μ V	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O



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Electrical	Equipment to Output AC Voltage (@ 1 Hz to 10 Hz)	2 V to 20 V	0.014 % of value + 1.2 μ V	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 10 Hz to 40 Hz)	2 V to 20 V	0.01 % of value + 0.22 μ V	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 40 Hz to 100 Hz)	2 V to 20 V	0.008 5 % of value + 0.22 μ V	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 100 Hz to 2 kHz)	2 V to 20 V	0.006 5 % of value + 0.22 μ V	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 2 kHz to 10 kHz)	2 V to 20 V	0.008 5 % of value + 0.22 μ V	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 10 kHz to 30 kHz)	2 V to 20 V	0.02 % of value + 0.41 μ V	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 30 kHz to 100 kHz)	2 V to 20 V	0.051 % of value + 2 μ V	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 100 kHz to 300 kHz)	2 V to 20 V	0.3 % of value + 20 μ V	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 300 MHz to 1 MHz)	2 V to 20 V	1 % of value + 200 μ V	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 1 Hz to 10 Hz)	20 V to 200 V	0.014 % of value + 120 μ V	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O



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Electrical	Equipment to Output AC Voltage (@ 10 Hz to 40 Hz)	20 V to 200 V	0.01 % of value + 20 μ V	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 40 Hz to 100 Hz)	20 V to 200 V	0.008 5 % of value + 20 μ V	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 100 Hz to 2 kHz)	20 V to 200 V	0.006 5 % of value + 20 μ V	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 2 kHz to 10 kHz)	20 V to 200 V	0.008 5 % of value + 20 μ V	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 10 kHz to 30 kHz)	20 V to 200 V	0.02 % of value + 40 μ V	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 30 kHz to 100 kHz)	20 V to 200 V	0.05 % of value + 200 μ V	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 100 kHz to 300 kHz)	20 V to 200 V	0.3 % of value + 2 000 μ V	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 300 MHz to 1 MHz)	20 V to 200 V	1 % of value + 20 000 μ V	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 1 Hz to 10 Hz)	200 V to 2 000 V	0.014 % of value + 1 200 μ V	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 10 Hz to 40 Hz)	200 V to 2 000 V	0.011 % of value + 400 μ V	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O



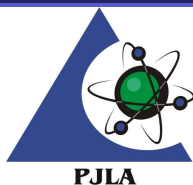
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Electrical	Equipment to Output AC Voltage (@ 40 kHz to 10 kHz)	200 V to 2 000 V	0.009 5 % of value + 400 μ V	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 10 kHz to 30kHz)	200 V to 2 000 V	0.02 % of value + 800 μ V	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 30 kHz to 100 kHz)	200 V to 2 000 V	0.051 % of value + 4 000 μ V	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 1 Hz to 10 Hz)	1 μ A to 200 μ A	0.029 % of value + 0.02 μ A	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 10 Hz to 10 kHz)	1 μ A to 200 μ A	0.028 % of value + 0.02 μ A	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 10 kHz to 30 kHz)	1 μ A to 200 μ A	0.065 % of value + 0.02 μ A	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 30 kHz to 100 kHz)	1 μ A to 200 μ A	0.4 % of value + 0.02 μ A	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 1 Hz to 10 Hz)	200 μ A to 2 mA	0.029 % of value + 0.2 μ A	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 10 Hz to 10 kHz)	200 μ A to 2 mA	0.028 % of value + 0.2 μ A	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 10 kHz to 30 kHz)	200 μ A to 2 mA	0.065 % of value + 0.2 μ A	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O



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Electrical	Equipment to Output AC Current (@ 30 kHz to 100 kHz)	200 μ A to 2 mA	0.4 % of value + 0.2 μ A	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 1 Hz to 10 Hz)	2 mA to 20 mA	0.029 % of value + 2 μ A	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 10 Hz to 10 kHz)	2 mA to 20 mA	0.028 % of value + 2 μ A	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 10 kHz to 30 kHz)	2 mA to 20 mA	0.065 % of value + 2 μ A	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 30 kHz to 100 kHz)	2 mA to 20 mA	0.4 % of value + 2 μ A	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 1 Hz to 10 Hz)	2 mA to 20 mA	0.029 % of value + 20 μ A	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 10 Hz to 10 kHz)	2 mA to 20 mA	0.028 % of value + 50 μ A	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 10 kHz to 30 kHz)	2 mA to 20 mA	0.06 % of value + 20 μ A	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 10 Hz to 2 kHz)	20 mA to 2 A	0.06 % of value + 2 μ A	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 2 Hz to 10 kHz)	20 mA to 2 A	0.074 % of value + 2 μ A	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O



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Electrical	Equipment to Output AC Current (@ 10 kHz to 30 kHz)	20 mA to 2 A	0.3 % of value + 2 μ A	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 10 Hz to 2 kHz)	2 A to 20 A	0.08 % of value + 20 μ A	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 2 kHz to 10 kHz)	2 A to 20 A	0.25 % of value + 20 μ A	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output Resistance	0.1 Ω to 2 Ω	0.001 6 % of value + 0.004 $\mu\Omega$	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output Resistance	2 Ω to 20 Ω	0.000 9 % of value + 0.014 $\mu\Omega$	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output Resistance	20 Ω to 200 Ω	0.000 75 % of value + 0.05 $\mu\Omega$	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output Resistance	200 Ω to 2 k Ω	0.000 76 % of value + 0.000 5 Ω	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output Resistance	2 k Ω to 20 k Ω	0.000 75 % of value + 0.005 Ω	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output Resistance	20 k Ω to 200 k Ω	0.000 75 % of value + 0.05 Ω	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output Resistance	200 k Ω to 2 M Ω	0.000 88 % of value + 0.000 5 k Ω	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output Resistance	2 M Ω to 20 M Ω	0.001 5 % of value + 0.1 k Ω	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output Resistance	20 M Ω to 200 M Ω	0.006 % of value + 10 k Ω	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O
Electrical	Equipment to Output Resistance	200 M Ω to 2 G Ω	0.054 % of value + 1 M Ω	Fluke 8508A	WI 7.2.1-45	F1, F3	F, O



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Electrical	DC Clamp Meters	20.5 A to 150 A	0.6 % of value + 0.17 A	Fluke 5500A/Coil & Fluke 5522A	WI 7.2.1-57	F1, F3	F, O
Electrical	DC Clamp Meters	150 A to 1 025 A	0.6 % of value + 0.88 A	Fluke 5500A/Coil & Fluke 5522A	WI 7.2.1-57	F1, F3	F, O
Electrical	AC Clamp Meters (@ 45 Hz to 65 Hz)	20.5 A to 150 A	0.68 % of value + 0.3 A	Fluke 5500A/Coil & Fluke 5522A	WI 7.2.1-57	F1, F3	F, O
Electrical	AC Clamp Meters (@ 45 Hz to 65 Hz)	150 A to 1 025 A	0.67 % of value + 1.2 A	Fluke 5500A/Coil & Fluke 5522A	WI 7.2.1-57	F1, F3	F, O
Electrical	AC Clamp Meters (@ 65 Hz to 440 Hz)	20.5 A to 150 A	1.2 % of value + 0.3 A	Fluke 5500A/Coil & Fluke 5522A	WI 7.2.1-57	F1, F3	F, O
Electrical	AC Clamp Meters (@ 65 Hz to 440 Hz)	150 A to 1 025 A	1.2 % of value + 1.2 A	Fluke 5500A/Coil & Fluke 5522A	WI 7.2.1-57	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type T	-250 °C to -150 °C	0.5 °C	Process Calibrator	WI 7.2.1-87	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type T	-150 °C to 0 °C	0.22 °C	Process Calibrator	WI 7.2.1-87	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type T	0 °C to 120 °C	0.18 °C	Process Calibrator	WI 7.2.1-87	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type T	120 °C to 400 °C	0.17 °C	Process Calibrator	WI 7.2.1-87	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type J	-210 °C to -100 °C	0.26 °C	Process Calibrator	WI 7.2.1-87	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type J	-100 °C to -30 °C	0.19 °C	Process Calibrator	WI 7.2.1-87	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type J	-30 °C to 150 °C	0.18 °C	Process Calibrator	WI 7.2.1-87	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type J	150 °C to 760 °C	0.19 °C	Process Calibrator	WI 7.2.1-87	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type J	760 °C to 1 200 °C	0.23 °C	Process Calibrator	WI 7.2.1-87	F1, F3	F, O



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Electrical	Equipment to Measure Thermocouple Type K	-200 °C to -100 °C	0.31 °C	Process Calibrator	WI 7.2.1-87	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type K	-100 °C to -25 °C	0.21 °C	Process Calibrator	WI 7.2.1-87	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type K	-25 °C to 120 °C	0.2 °C	Process Calibrator	WI 7.2.1-87	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type K	120 °C to 1 000 °C	0.26 °C	Process Calibrator	WI 7.2.1-87	F1, F3	F, O
Electrical	Equipment to Measure Thermocouple Type K	1 000 °C to 1 372 °C	0.34 °C	Process Calibrator	WI 7.2.1-87	F1, F3	F, O
Electrical	Equipment to Measure RTD Type PT 385 100 Ω	-100 °C to 850 °C	0.4 °C	Process Calibrator	WI 7.2.1-87	F1, F3	F, O
Electrical	Equipment to Measure RTD Type PT 385 1 000 Ω	-200 °C to 630 °C	0.4 °C	Process Calibrator	WI 7.2.1-87	F1, F3	F, O
Electrical	Temperature Indication and Control Equipment Responding to Voltage	Up to 10 V	0.11 % of value + 0.005 8 V	Process Calibrator	WI 7.2.1-87	F1, F3	F, O
Electrical	Temperature Indication and Control Equipment Responding to Current	4 mA to 20 mA	0.18 % of value + 0.005 8 mA	Process Calibrator	WI 7.2.1-87	F1, F3	F, O
Mechanical	Equipment to Measure Acceleration (@ 10 Hz to 29 Hz)	0.25 G to 1 G	3.4 % of reading	Agate 3050	WI 7.2.1-65	F1, F3	F, O
Mechanical	Equipment to Measure Acceleration (@ 30 Hz to 99 Hz)	0.25 G to 1 G	3.1 % of reading	Agate 3050	WI 7.2.1-65	F1, F3	F, O



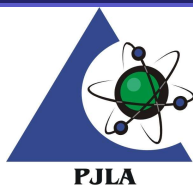
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Mechanical	Equipment to Measure Acceleration (@ 100 Hz to 4 999 Hz)	0.25 G to 1 G	3.0 % of reading	Agate 3050	WI 7.2.1-65	F1, F3	F, O
Mechanical	Equipment to Measure Acceleration (@ 5 000 Hz to 10 000 Hz)	0.25 G to 1 G	3.2 % of reading	Agate 3050	WI 7.2.1-65	F1, F3	F, O
Mechanical	Torque Wrench	>2 ozf•in to 20 ozf•in	0.59 % of reading	20 ozf•in Transducer	WI 7.2.1-44	F1, F3	F, O
Mechanical	Torque Wrench	>20 ozf•in to 40 ozf•in	0.59 % of reading	40 ozf•in Transducer	WI 7.2.1-44	F1, F3	F, O
Mechanical	Torque Wrench	>2.5 lbf•in to 10 lbf•in	0.59 % of reading	10 lbf•in Transducer	WI 7.2.1-44	F1, F3	F, O
Mechanical	Torque Wrench	>10 lbf•in to 48 lbf•in	0.59 % of reading	50 lbf•in Transducer	WI 7.2.1-44	F1, F3	F, O
Mechanical	Torque Wrench	>4 lbf•ft to 50 lbf•ft	0.59 % of reading	50 lbf•ft Transducer	WI 7.2.1-44	F1, F3	F, O
Mechanical	Torque Wrench	>50 lbf•ft to 100 lbf•ft	0.59 % of reading	100 lbf•ft Transducer	WI 7.2.1-44	F1, F3	F, O
Mechanical	Torque Wrench	>100 lbf•ft to 250 lbf•ft	0.68 % of reading	250 lbf•ft Transducer	WI 7.2.1-44	F1, F3	F, O
Mechanical	Torque Wrench	>250 lbf•ft to 1 000 lbf•ft	0.60 % of reading	1000 lbf•ft Transducer	WI 7.2.1-44	F1, F3	F, O
Mechanical	Torque Analyzer/ Tester, Torque Transducers	>125 oz•in to 48 oz•in	0.12 % of reading	Torque Wheels, Arms & Weights	WI 7.2.1-44A	F1, F3	F, O
Mechanical	Torque Analyzer/ Tester, Torque Transducers	>4 lbf•in to 260 lbf•in	0.06 % of reading	Torque Wheels, Arms & Weights	WI 7.2.1-44A	F1, F3	F, O
Mechanical	Torque Analyzer/ Tester, Torque Transducers	>260 lbf•in to 900 lbf•in	0.059 % of reading	Torque Wheels, Arms & Weights	WI 7.2.1-44A	F1, F3	F, O
Mechanical	Torque Analyzer/ Tester, Torque Transducers	>75 lbf•ft to 500 lbf•ft	0.059 % of reading	Torque Wheels, Arms & Weights	WI 7.2.1-44A	F1, F3	F, O
Mechanical	Torque Analyzer/ Tester, Torque Transducers	>500 lbf•ft to 1 000 lbf•ft	0.059 % of reading	Torque Wheels, Arms & Weights	WI 7.2.1-44A	F1, F3	F, O



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FIELD OF CALIBRATION	MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	EXPANDED MEASUREMENT UNCERTAINTY ($\pm$) ¹	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	FLEX CODE	LOCATION OF ACTIVITY
Mechanical	Equipment to Measure Absolute Pressure	0.1 psi to 30 psi	0.012 % of Reading	Fluke 6270 w/ PM500-A200K	WI 7.2.1-55	F1, F3	F, O
Mechanical	Equipment to Measure Pneumatic Pressure & Vacuum	-15 psi to 300 psi	0.012 % of Reading	Fluke 6270 w/PM500-BG2M	WI 7.2.1-55	F1, F3	F, O
Mechanical	Equipment to Measure Pneumatic Pressure & Vacuum	-15 psi to 1 000 psi	0.012 % of Reading	Fluke 6270 w/ PM500-BG7M	WI 7.2.1-55	F1, F3	F, O
Thermodynamic	Equipment to Measure Humidity (Fixed points)	11.3 % RH	1.4 % RH	Vaisala HMK-15 with: LiCl NaCl, K2SO4	WI 7.2.1-69	F1, F3	F, O
Thermodynamic	Equipment to Measure Humidity (Fixed points)	75.5 % RH	1.6 % RH	Vaisala HMK-15 with: LiCl NaCl, K2SO4	WI 7.2.1-69	F1, F3	F, O
Thermodynamic	Equipment to Measure Humidity (Fixed points)	97.6 % RH	2.1 % RH	Vaisala HMK-15 with: LiCl NaCl, K2SO4	WI 7.2.1-69	F1, F3	F, O
Thermodynamic	Equipment to Measure Humidity	10 % RH to 90 % RH	1.8 % RH	Vaisala HMI41 with HMP-46 Humidity Probe	WI 7.2.1-69	F1, F3	F, O
Thermodynamic	Equipment to Measure Humidity	90 % RH to 95 % RH	2.9 % RH	Vaisala HMI41 with HMP-46 Humidity Probe	WI 7.2.1-69	F1, F3	F, O
Time and Frequency	Stopwatches & Timers	Up to 24 hr	0.043 sec/day	Timometer 4500	WI 7.2.1-38	F1, F3	F, O



Certificate of Accreditation: Supplement

Enviren Calibrations

202 State Street, Binghamton, NY 13905
Contact Name: David Carter Phone: 607-723-0999

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

1. The CMC (Calibration and Measurement Capability) stated for calibrations included on this scope of accreditation represents the smallest measurement uncertainty attainable by the laboratory when performing a more or less routine calibration of a nearly ideal device under nearly ideal conditions. It is typically expressed at a confidence level of 95 % using a coverage factor k (usually equal to 2). The actual measurement uncertainty associated with a specific calibration performed by the laboratory will typically be larger than the CMC for the same calibration since capability and performance of the device being calibrated and the conditions related to the calibration may reasonably be expected to deviate from ideal to some degree.
2. The laboratories range of calibration capability for all disciplines for which they are accredited is the interval from the smallest calibrated standard to the largest calibrated standard used in performing the calibration. The low end of this range must be an attainable value for which the laboratory has or has access to the standard referenced. Verification of an indicated value of zero in the absence of a standard is common practice in the procedure for many calibrations but by its definition it does not constitute calibration of zero capacity.
3. Location of activity:

Location Code	Location
F	Conformity assessment activity is performed at the CABs fixed facility
O	Conformity assessment activity is performed onsite at the CABs customer location
4. Measurement uncertainties obtained for calibrations performed at customer sites can be expected to be larger than the measurement uncertainties obtained at the laboratories fixed location for similar calibrations. This is due to the effects of transportation of the standards and equipment and upon environmental conditions at the customer site which are typically not controlled as closely as at the laboratories fixed location.
5. The term L represents length in inches or millimeters as appropriate to the uncertainty statement.
6. The term T represents temperature in °C or °F as appropriate to the uncertainty statement.
7. The term T represents torque in N•m (including SI multiple and submultiple units) for the International System of Units (the SI) or ozf•in, lbf•in and lbf•ft for the USC system of units.

Note that temperature and torque both use the same designation "T". This is not a problem unless a laboratory is accredited for both; however, the usage is common and should be retained when possible and modified in the few cases where a laboratory is accredited for both. In those cases, continue to use T for temperature and use Tr for torque. This note is intended for internal office use only and is to be removed during preparation of draft documents.