



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

American Valley Avionics and Calibration
137 Industrial Loop South, Orange Park, FL 32073

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

ISO/IEC 17025:2017

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

***Dimensional, Electrical, Mass, Force, & Weighing Devices, Mechanical,
Thermodynamic, and Time & Frequency 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:

Initial Accreditation Date:

Issue Date:

Expiration Date:

February 14, 2009

December 04, 2025

December 31, 2027

Accreditation No.:

Certificate No.:

60048

L25-912

Tracy Szerszen
President

*The validity of this certificate is maintained through ongoing assessments based
on a continuous accreditation cycle. The validity of this certificate should be
confirmed through the PJLA website: www.pjlabs.com*

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



Certificate of Accreditation: Supplement

American Valley Avionics and Calibration

137 Industrial Loop South, Orange Park, FL 32073

Contact Name: Matt Raulerson Phone: 904-579-5272

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	Micrometer	1.001 mm to 100 mm	(1.25+0.017L) μ m	Pratt & Whitney Lab Master Universal Gage Blocks Grade 0	AVACS M02, AVACS M03, AVACS M04, ASME B89.1.13 CP-008-Outside Micrometer	F1, F2, F3	F, O
Dimensional	Micrometer	127 mm to 213 3.6 mm	(9.63 + 0.048L) μ m	Pratt & Whitney Lab Master Universal Gage Blocks Grade 0	AVACS M02, AVACS M03, AVACS M04, ASME B89.1.13 CP-008-Outside Micrometer	F1, F2, F3	F, O
Dimensional	Gage Blocks	0.5 mm to 100 mm	(0.46 + 0.002L) μ m	Pratt & Whitney Lab Master Universal	CP-007-Gage Blocks ASME B89.1.9	F1, F2, F3	F, O
Dimensional	Gage Blocks	101 mm to 305 mm	(0.21 + 0.006L) μ m	Pratt & Whitney Lab Master Universal	CP-007-Gage Blocks ASME B89.1.9	F1, F2, F3	F, O
Dimensional	Cylindrical Rings	10 mm to 330 mm	(0.05 + 0.012L) μ m	Pratt & Whitney Lab Master Universal	CP-003 Master Ring/ Ring Gage, ASME B89.1.6	F1, F2, F3	F, O
Dimensional	Cylindrical Plugs and Discs	0.25 mm to 305 mm	(0.35 + 0.012L) μ m	Pratt & Whitney Lab Master Universal	AVACS-48	F1, F3	F, O
Dimensional	Pin Gages	0.25 mm to 305 mm	(0.35 + 0.012L) μ m	Pratt & Whitney Lab Master Universal	AVACS-48	F1, F3	F, O
Dimensional	Micrometer Standards	25 mm to 305 mm	(0.33 + 0.005L) μ m	Pratt & Whitney Lab Master Universal Fowler Trimos V3-700	AVACS-M02	F1, F3	F, O
Dimensional	Micrometer Standards	331 mm to 600 mm	6.4 μ m	Pratt & Whitney Lab Master Universal Fowler Trimos V3-700	AVACS-M02	F1, F3	F, O
Dimensional	Bore Gages	6 mm to 300 mm	25 μ m	Master Rings & Gauge Blocks	CP-002-Bore Measuring Devices	F1, F3	F, O



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Dimensional	Calipers	25 mm to 305 mm	(9 + 0.04L) μ m	Pratt & Whitney Lab Master Universal Fowler Trimos V3-700 Gage Blocks Grade 0	CP-005-Caliper ASME B89.1.14	F1, F2, F3	F, O
Dimensional	Calipers	331 mm to 610 mm	21 μ m	Pratt & Whitney Lab Master Universal Fowler Trimos V3-700 Gage Blocks Grade 0	CP-005-Caliper ASME B89.1.14	F1, F2, F3	F, O
Dimensional	Calipers	610 mm to 2 540 mm	130 μ m	Pratt & Whitney Lab Master Universal Fowler Trimos V3-700 Gage Blocks Grade 0	CP-005-Caliper ASME B89.1.14	F1, F2, F3	F, O
Dimensional	Indicators	0.05 mm to 100 mm	3 μ m	Pratt & Whitney Lab Master Universal	CP-006-Dial/Digital Indicator, ASME B89.1.10M	F1, F2	F, O
Dimensional	Height Gages	25 mm to 1 000 mm	(5.3 + 0.026L) μ m	Gage Blocks Grade 0	AVACS-43	F1, F3	F, O
Dimensional	Steel Rules	25 mm to 914 mm	400 μ m	Gage Blocks Grade 2	ASME B89.1.9, AVACS-75, AVACS-76	F1, F2, F3	F, O
Dimensional	Steel Tapes	25 mm to 3 650 mm	500 μ m	Gage Blocks Grade 2	CP-004-Measuring Tapes	F1, F2	F, O
Electrical	Equipment to Measure DC Voltage	23 μ V to 329.999 9 mV	1 μ V + 20 μ V/V	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O



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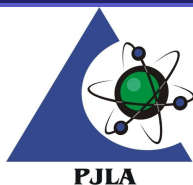
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Electrical	Equipment to Measure DC Voltage	330 mV to 3.299 99 V	2 μ V + 11 μ V/V	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Equipment to Measure DC Voltage	3.3 V to 32.999 99 V	20 μ V + 12 μ V/V	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Equipment to Measure DC Voltage	30 V to 329.999 9 V	150 μ V + 18 μ V/V	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O



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Electrical	Equipment to Measure DC Voltage	100 V to 1 000 V	1.5 mV + 18 μ V/V	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Equipment to Output DC Voltage	Up to 100 mV	0.3 μ V + 7 μ V/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output DC Voltage	100 mV to 1 V	0.3 μ V + 6 μ V/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output DC Voltage	1 V to 10 V	0.5 μ V + 6 μ V/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output DC Voltage	10 V to 100 V	3 μ V + 8 μ V/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output DC Voltage	100 V to 1 000 V	10 μ V + 8 μ V/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Measure DC Current	0.06 μ A to 329.999 9 μ A	0.02 μ A + 0.15 mA/A	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O



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Electrical	Equipment to Measure DC Current	330 μ A to 3.299 99 mA	0.05 μ A + 0.1 mA/A	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Equipment to Measure DC Current	3.3 mA to 32.999 9 mA	0.25 μ A + 0.1 mA/A	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Equipment to Measure DC Current	33 mA to 329.999 mA	2.5 μ A + 0.1 mA/A	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O



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Electrical	Equipment to Measure DC Current	330 mA to 2.999 99 A	40 μ A + 0.38 mA/A	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Equipment to Measure DC Current	3 A to 20.5 A	500 μ A + 0.5 mA/A	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Equipment to Output DC Current	10 μ A to 100 μ A	8 pA + 20 μ A/A	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output DC Current	100 μ A to 1 mA	50 pA + 20 μ A/A	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output DC Current	1 mA to 10 mA	0.5 nA + 20 μ A/A	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output DC Current	10 mA to 100 mA	5 nA + 35 μ A/A	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output DC Current	100 mA to 1 A	0.1 mA + 0.11 mA/A	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O



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Electrical	Equipment to Measure AC Voltage (@ 10 Hz to 45 Hz)	1.0 mV to 32.999 mV	6 μ V + 0.8 mV/V	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 45 Hz to 10 kHz)	1.0 mV to 32.999 mV	6 μ V + 0.15 mV/V	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 10 kHz to 20 kHz)	1.0 mV to 32.999 mV	6 μ V + 0.2 mV/V	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O



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Electrical	Equipment to Measure AC Voltage (@ 20 kHz to 50 kHz)	1.0 mV to 32.999 mV	6 μ V + 1 mV/V	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 50 kHz to 100 kHz)	1.0 mV to 32.999 mV	12 μ V + 3.5 mV/V	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 100 kHz to 500 kHz)	1.0 mV to 32.999 mV	50 μ V + 8 mV/V	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O



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Electrical	Equipment to Measure AC Voltage (@ 10 Hz to 45 Hz)	33 mV to 329.999 mV	8 μ V + 0.3 mV/V	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 45 Hz to 10 kHz)	33 mV to 329.999 mV	8 μ V + 0.15 mV/V	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 10 kHz to 20 kHz)	33 mV to 329.999 mV	8 μ V + 0.16 mV/V	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O



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Electrical	Equipment to Measure AC Voltage (@ 20 kHz to 50 kHz)	33 mV to 329.999 mV	8 μ V + 0.35 mV/V	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 50 kHz to 100 kHz)	33 mV to 329.999 mV	32 μ V + 0.8 mV/V	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 100 kHz to 500 kHz)	33 mV to 329.999 mV	70 μ V + 2 mV/V	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O



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Electrical	Equipment to Measure AC Voltage (@ 10 Hz to 45 Hz)	0.33 V to 3.299 99 V	50 μ V + 0.3 mV/V	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 45 Hz to 10 kHz)	0.33 V to 3.299 99 V	60 μ V + 0.15 mV/V	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 10 kHz to 20 kHz)	0.33 V to 3.299 99 V	60 μ V + 0.19 mV/V	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O



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Electrical	Equipment to Measure AC Voltage (@ 20 kHz to 50 kHz)	0.33 V to 3.299 99 V	50 μ V + 0.3 mV/V	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 50 kHz to 100 kHz)	0.33 V to 3.299 99 V	130 μ V + 0.7 mV/V	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 100 kHz to 500 kHz)	0.33 V to 3.299 99 V	600 μ V + 2.4 mV/V	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O



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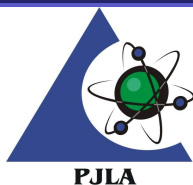
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Electrical	Equipment to Measure AC Voltage (@ 10 Hz to 45 Hz)	3.3 V to 32.999 9 V	650 μ V + 0.3 mV/V	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 45 Hz to 10 kHz)	3.3 V to 32.999 9 V	600 μ V + 1.5 mV/V	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 10 kHz to 20 kHz)	3.3 V to 32.999 9 V	600 μ V + 0.24 mV/V	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O



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

FIELD OF CALIBRATION	MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	EXPANDED MEASUREMENT UNCERTAINTY ($\pm$) ¹	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	FLEX CODE	LOCATION OF ACTIVITY
Electrical	Equipment to Measure AC Voltage (@ 20 kHz to 50 kHz)	3.3 V to 32.999 9 V	600 μ V + 0.35 mV/V	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 50 kHz to 100 kHz)	3.3 V to 32.999 9 V	1.6 mV + 0.9 mV/V	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 10 Hz to 45 Hz)	33 V to 329.999 V	2 mV + 0.19 mV/V	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O



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Electrical	Equipment to Measure AC Voltage (@ 45 Hz to 10 kHz)	33 V to 329.999 V	6 mV + 0.2 mV/V	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 10 kHz to 20 kHz)	33 V to 329.999 V	6 mV + 0.25 mV/V	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 20 kHz to 50 kHz)	33 V to 329.999 V	6 mV + 0.3 mV/V	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O



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Electrical	Equipment to Measure AC Voltage (@ 50 kHz to 100 kHz)	33 V to 329.999 V	50 mV + 2 mV/V	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 45 Hz to 1 kHz)	330 V to 1 020 V	10 mV + 0.3 mV/V	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Equipment to Measure AC Voltage (@ 1 kHz to 5 kHz)	330 V to 1 020 V	10 mV + 0.25 mV/V	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O



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Electrical	Equipment to Measure AC Voltage (@ 5 kHz to 10 kHz)	330 V to 1 020 V	10 mV + 0.3 mV/V	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 1 Hz to 40 Hz)	Up to 10 mV	3 μ V + 0.3 mV/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 40 Hz to 1 kHz)	Up to 10 mV	1.1 μ V + 0.2 mV/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 1 kHz to 20 kHz)	Up to 10 mV	1.1 μ V + 0.3 mV	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 20 kHz to 50 kHz)	Up to 10 mV	1.1 μ V + 1 mV/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 50 kHz to 100 kHz)	Up to 10 mV	1.1 μ V + 5 mV/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 100 kHz to 300 kHz)	Up to 10 mV	2 μ V + 40 mV/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O



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Electrical	Equipment to Output AC Voltage (@ 2 MHz to 4 MHz)	Up to 10 mV	7 μ V + 70 mV/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 4 MHz to 8 MHz)	Up to 10 mV	8 μ V + 0.2 V/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 1 Hz to 40 Hz)	10 mV to 100 mV	4 μ V + 70 μ V/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 40 Hz to 1 kHz)	10 mV to 100 mV	2 μ V + 70 μ V/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 1 kHz to 20 kHz)	10 mV to 100 mV	2 μ V + 0.14 mV/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 20 kHz to 50 kHz)	10 mV to 100 mV	2 μ V + 0.3 mV/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 50 kHz to 100 kHz)	10 mV to 100 mV	2 μ V + 0.8 mV/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 100 kHz to 300 kHz)	10 mV to 100 mV	10 μ V + 3 mV/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 300 kHz to 1 MHz)	10 mV to 100 mV	10 μ V + 10 mV/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O



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Electrical	Equipment to Output AC Voltage (@ 1 MHz to 2 MHz)	10 mV to 100 mV	10 μ V + 15 mV/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 2 MHz to 4 MHz)	10 mV to 100 Mv	70 μ V + 40 mV/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 4 MHz to 8 MHz)	10 mV to 100 Mv	80 μ V + 40 mV/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 8 MHz to 10 MHz)	10 mV to 100 Mv	0.1 mV + 0.15 V/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 1 Hz to 40 Hz)	100 mV to 1 V	40 μ V + 70 μ V/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 40 Hz to 1 kHz)	100 mV to 1 V	20 μ V + 70 μ V/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 1 kHz to 20 kHz)	100 mV to 1 V	20 μ V + 0.14 mV/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 20 kHz to 50 kHz)	100 mV to 1 V	20 μ V + 0.3 mV/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 50 kHz to 100 kHz)	100 mV to 1 V	20 μ V + 0.8 mV/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O



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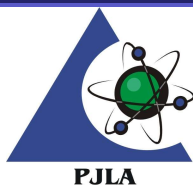
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Electrical	Equipment to Output AC Voltage (@ 100 kHz to 300 kHz)	100 mV to 1 V	0.1 mV + 3 mV/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 300 kHz to 1 MHz)	100 mV to 1 V	0.1 mV + 10 mV/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 1 MHz to 2 MHz)	100 mV to 1 V	0.1 mV + 15 mV/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 2 MHz to 4 MHz)	100 mV to 1 V	0.7 mV + 40 mV/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 4 MHz to 8 MHz)	100 mV to 1 V	0.8 mV + 40 mV/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 8 MHz to 10 MHz)	100 mV to 1 V	1 mV + 0.15 V/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 1 Hz to 40 Hz)	1 V to 10 V	0.4 mV + 70 μ V/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 40 Hz to 1 kHz)	1 V to 10 V	0.2 mV + 70 μ V/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 1 kHz to 20 kHz)	1 V to 10 V	0.2 mV + 0.14 mV/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O



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Electrical	Equipment to Output AC Voltage (@ 20 kHz to 50 kHz)	1 V to 10 V	0.2 mV + 0.3 mV/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 50 kHz to 100 kHz)	1 V to 10 V	0.2 mV + 0.8 mV/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 100 kHz to 300 kHz)	1 V to 10 V	1 mV + 3 mV/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 300 kHz to 1 MHz)	1 V to 10 V	1 mV + 10 mV/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 1 MHz to 2 MHz)	1 V to 10 V	1 mV + 15 mV/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 2 MHz to 4 MHz)	1 V to 10 V	7 mV + 40 mV/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 4 MHz to 8 MHz)	1 V to 10 V	8 mV + 40 mV/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 8 MHz to 10 MHz)	1 V to 10 V	10 mV + 0.15 mV/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O



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Electrical	Equipment to Output AC Voltage (@ 1 Hz to 40 Hz)	10 V to 100 V	4 mV + 0.2 mV/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 40 Hz to 1 kHz)	10 V to 100 V	2 mV + 0.2 mV/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 1 kHz to 20 kHz)	10 V to 100 V	2 mV + 0.2 mV/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 20 kHz to 50 kHz)	10 V to 100 V	2 mV + 0.35 mV/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 50 kHz to 100 kHz)	10 V to 100 V	2 mV + 1.2 mV/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 100 kHz to 300 kHz)	10 V to 100 V	10 mV + 1.2 mV/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 300 kHz to 1 MHz)	10 V to 100 V	10 mV + 15 mV/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 1 Hz to 40 Hz)	10 V to 100 V	40 mV + 0.4 mV/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 40 Hz to 1 kHz)	10 V to 100 V	20 mV + 0.4 mV/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O



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Electrical	Equipment to Output AC Voltage (@ 1 kHz to 20 kHz)	10 V to 100 V	20 mV + 0.6 mV/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 20 kHz to 50 kHz)	10 V to 100 V	20 mV + 1.2 mV/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Voltage (@ 50 kHz to 100 kHz)	10 V to 100 V	20 mV + 3 mV/V	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 10 Hz to 20 Hz)	29 μ A to 329.99 μ A	0.1 μ A + 2mA/A	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 20 Hz to 45 Hz)	29 μ A to 329.99 μ A	0.1 μ A + 1.5 mA/A	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O



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Electrical	Equipment to Measure AC Current (@ 45 Hz to 1 kHz)	29 μ A to 329.99 μ A	0.1 μ A + 1.25 mA/A	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 1 kHz to 5 kHz)	29 μ A to 329.99 μ A	0.15 μ A + 3 mA/A	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 5 kHz to 10 kHz)	29 μ A to 329.99 μ A	0.2 μ A + 8 mA/A	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O



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Electrical	Equipment to Measure AC Current (@ 10 kHz to 30 kHz)	29 μ A to 329.99 μ A	0.4 μ A + 16 mA/A	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 10 Hz to 20 Hz)	0.33 mA to 3.299 9 mA	0.15 μ A + 2mA/A	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 20 Hz to 45 Hz)	0.33 mA to 3.299 9 mA	0.15 μ A + 1.25 mA/A	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O



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Electrical	Equipment to Measure AC Current (@ 45 Hz to 1 kHz)	0.33 mA to 3.299 9 mA	0.1.5 μ A + 1 mA/A	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 1 kHz to 5 kHz)	0.33 mA to 3.299 9 mA	0.2 μ A + 2 mA/A	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 5 kHz to 10 kHz)	0.33 mA to 3.299 9 mA	0.3 μ A + 5 mA/A	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O



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Electrical	Equipment to Measure AC Current (@ 10 kHz to 30 kHz)	0.33 mA to 3.299 9 mA	0.6 μ A + 10 mA/A	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 10 Hz to 20 Hz)	3.3 mA to 32.999 mA	2 μ A + 1.8 mA/A	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 20 Hz to 45 Hz)	3.3 mA to 32.999 mA	2 μ A + 0.9 mA/A	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O



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American Valley Avionics and Calibration

137 Industrial Loop South, Orange Park, FL 32073

Contact Name: Matt Raulerson Phone: 904-579-5272

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Electrical	Equipment to Measure AC Current (@ 45 Hz to 1 kHz)	3.3 mA to 32.999 mA	$2 \mu\text{A} + 0.4 \text{ mA/A}$	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 1 kHz to 5 kHz)	3.3 mA to 32.999 mA	$2 \mu\text{A} + 0.8 \text{ mA/A}$	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 5 kHz to 10 kHz)	3.3 mA to 32.999 mA	$3 \mu\text{A} + 2 \text{ mA/A}$	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O



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Electrical	Equipment to Measure AC Current (@ 10 kHz to 30 kHz)	3.3 mA to 32.999 mA	4 μ A + 4 mA/A	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 10 Hz to 20 Hz)	33 mA to 329.99 mA	20 μ A + 1.8 mA/A	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 20 Hz to 45 Hz)	33 mA to 329.99 mA	20 μ A + 0.9 mA/A	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O



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Electrical	Equipment to Measure AC Current (@ 45 Hz to 1 kHz)	33 mA to 329.99 mA	20 μ A + 0.4 mA/A	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 1 kHz to 5 kHz)	33 mA to 329.99 mA	50 μ A + 1 mA/A	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 5 kHz to 10 kHz)	33 mA to 329.99 mA	100 μ A + 2 mA/A	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O



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Electrical	Equipment to Measure AC Current (@ 10 kHz to 30 kHz)	33 mA to 329.99 mA	200 μ A + 4 mA/A	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 10 Hz to 45 Hz)	0.33 A to 1.099 99 A	100 μ A + 1.8 mA/A	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 45 Hz to 1 kHz)	0.33 A to 1.099 99 A	100 μ A + 0.5 mA/A	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O



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Electrical	Equipment to Measure AC Current (@ 1 kHz to 5 kHz)	0.33 A to 1.099 99 A	1 mA + 6 mA/A	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 5 kHz to 10 kHz)	0.33 A to 1.099 99 A	5 mA + 25 mA/A	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 10 Hz to 45 Hz)	1.1 A to 2.999 99 A	100 μ A + 1.8 mA/A	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O



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Electrical	Equipment to Measure AC Current (@ 45 Hz to 1 kHz)	1.1 A to 2.999 99 A	100 μ A + 0.6 mA/A	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 1 kHz to 5 kHz)	1.1 A to 2.999 99 A	1 mA + 6 mA/A	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 5 kHz to 10 kHz)	1.1 A to 2.999 99 A	5 mA + 25 mA/A	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O



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Electrical	Equipment to Measure AC Current (@ 45 Hz to 100 Hz)	3 A to 10.999 99 A	2 mA + 0.6 mA/A	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 100 Hz to 1 kHz)	3 A to 10.999 99 A	2 mA + 1 mA/A	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 1 kHz to 5 kHz)	3 A to 10.999 99 A	2 mA + 30 mA/A	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O



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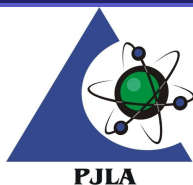
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Electrical	Equipment to Measure AC Current (@ 45 Hz to 100 Hz)	11 A to 20.5 A	5 mA + 1.2 mA/A	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 100 Hz to 1 kHz)	11 A to 20.5 A	5 mA + 1.5 mA/A	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure AC Current (@ 1 kHz to 5 kHz)	11 A to 20.5 A	5 mA + 31 mA/A	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O



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Electrical	Equipment to Output AC Current (@ 10 Hz to 20 Hz)	100 μ A to 1 mA	0.03 μ A + 2.74 μ A/A	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 20 Hz to 45 Hz)	100 μ A to 1 mA	0.03 μ A + 1.2 μ A/A	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 45 Hz to 100 Hz)	100 μ A to 1 mA	0.03 μ A + 0.8 μ A/A	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 100 Hz to 5 kHz)	100 μ A to 1 mA	0.03 μ A + 0.8 μ A/A	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 10 Hz to 20 Hz)	1 mA to 100 mA	20 μ A + 275 μ A/A	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 20 Hz to 45 Hz)	1 mA to 100 mA	20 μ A + 122 μ A/A	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 45 Hz to 100 Hz)	1 mA to 100 mA	20 μ A + 83.1 μ A/A	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 100 Hz to 5 kHz)	1 mA to 100 mA	20 μ A + 77.2 μ A/A	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 5 kHz to 20 kHz)	1 mA to 100 mA	20 μ A + 83.1 μ A/A	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 20 kHz to 50 kHz)	1 mA to 100 mA	20 μ A + 275 μ A/A	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O



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Electrical	Equipment to Output AC Current (@ 50 kHz to 100 kHz)	1 mA to 100 mA	150 μ A + 372 μ A/A	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 10 Hz to 20 Hz)	100 mA to 1 A	200 μ A + 2.7 mA/A	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 20 Hz to 45 Hz)	100 mA to 1 A	200 μ A + 1.15 mA/A	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 45 Hz to 100 Hz)	100 mA to 1 A	200 μ A + 679 μ A/A	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 100 Hz to 5 kHz)	100 mA to 1 A	200 μ A + 441 μ A/A	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 5 kHz to 20 kHz)	100 mA to 1 A	200 μ A + 2.05 mA/A	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output AC Current (@ 20 kHz to 50 kHz)	100 mA to 1 A	400 μ A + 6.68 mA/A	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O



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Electrical	Equipment to Measure Resistance	3 m Ω to 10.999 9 Ω	1 m Ω + 40 $\mu\Omega/\Omega$	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure Resistance	11 Ω to 32.999 9 Ω	1.5 m Ω + 30 $\mu\Omega/\Omega$	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure Resistance	33 Ω to 109.999 9 Ω	1.4 m Ω + 28 $\mu\Omega/\Omega$	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O



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Electrical	Equipment to Measure Resistance	110 Ω to 329.999 9 Ω	2 m Ω + 28 $\mu\Omega/\Omega$	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure Resistance	330 Ω to 1.099 999 k Ω	2 m Ω + 28 $\mu\Omega/\Omega$	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure Resistance	1.1 k Ω to 3.299 999 9 k Ω	20 m Ω + 28 $\mu\Omega/\Omega$	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O



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Electrical	Equipment to Measure Resistance	3.3 k Ω to 10.999 99 k Ω	20 m Ω + 28 $\mu\Omega/\Omega$	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure Resistance	11 k Ω to 32.999 99 k Ω	0.2 Ω + 28 $\mu\Omega/\Omega$	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure Resistance	33 k Ω to 109.999 9 k Ω	0.2 Ω + 28 $\mu\Omega/\Omega$	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O



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Electrical	Equipment to Measure Resistance	110 k Ω to 329.999 9 k Ω	2 Ω + 32 $\mu\Omega/\Omega$	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure Resistance	330 k Ω to 1.099 99 k Ω	2 Ω + 32 $\mu\Omega/\Omega$	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure Resistance	1.1 M Ω to 3.299 999 M Ω	30 Ω + 60 $\mu\Omega/\Omega$	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O



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Electrical	Equipment to Measure Resistance	3.3 M Ω to 10.999 99 M Ω	50 Ω + 0.13 m Ω / Ω	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure Resistance	11 M Ω to 32.999 9 M Ω	2.5 k Ω + 0.25 m Ω / Ω	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure Resistance	33 M Ω to 109.999 9 M Ω	3 k Ω + 0.5 m Ω / Ω	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O



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Electrical	Equipment to Measure Resistance	110 M Ω to 329.999 9 M Ω	100 k Ω + 3 m Ω / Ω	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure Resistance	330 M Ω to 1 110 M Ω	500 k Ω + 15 m Ω / Ω	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Output Resistance	Up to 10 Ω	50 $\mu\Omega$ + 18 $\mu\Omega$ / Ω	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output Resistance	10 Ω to 100 Ω	0.5 m Ω + 15 $\mu\Omega$ / Ω	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output Resistance	100 Ω to 1 k Ω	0.5 m Ω + 10 $\mu\Omega$ / Ω	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output Resistance	1 k Ω to 10 k Ω	5 m Ω + 13 $\mu\Omega$ / Ω	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output Resistance	10 k Ω to 100 k Ω	50 m Ω + 13 $\mu\Omega$ / Ω	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output Resistance	100 k Ω to 1 M Ω	0.2 Ω + 18 $\mu\Omega$ / Ω	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O



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Electrical	Equipment to Output Resistance	1 M Ω to 10 M Ω	1 Ω + 53 $\mu\Omega/\Omega$	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output Resistance	10 M Ω to 100 M Ω	10 Ω + 0.5 Ω/Ω	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Output Resistance	100 M Ω to 1 G Ω	0.1 k Ω + 5 m Ω/Ω	HP 3458A	CP-012 Electrical and Resistance Sourcing Devices	F1, F3	F, O
Electrical	Equipment to Measure Capacitance (@ 10 Hz to 10 kHz)	0.19 nF to 0.399 9 nF	0.01 nF + 5 mF/F	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure Capacitance (@ 10 Hz to 10 kHz)	0.4 nF to 1.099 9 nF	0.01 nF + 5 mF/F	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O



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Electrical	Equipment to Measure Capacitance (@ 10 Hz to 3 kHz)	0.4 nF to 1.099 9 nF	0.01 nF + 5 mF/F	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure Capacitance (@ 10 Hz to 1 kHz)	3.3 nF to 10.999 9 nF	0.01 nF + 2.5 mF/F	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure Capacitance (@ 10 Hz to 1 kHz)	11 nF to 32.999 9 nF	0.01 nF + 2:5 mF/F	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O



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Electrical	Equipment to Measure Capacitance (@ 10 Hz to 1 kHz)	33 nF to 109.999 nF	0.01 nF + 2.5 mF/F	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure Capacitance (@ 10 Hz to 1 kHz)	110 nF to 329.999 nF	0.3 nF + 2.5 mF/F	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure Capacitance (@ 10 Hz to 600 Hz)	0.33 μ F to 1.099 99 μ F	1 nF + 2.5 mF/F	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O



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Electrical	Equipment to Measure Capacitance (@ 10 Hz to 300 Hz)	1.1 μ F to 3.299 99 μ F	3 nF + 2.5 mF/F	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure Capacitance (@ 10 Hz to 150 Hz)	3.3 μ F to 10.999 9 μ F	10 nF + 2.5 mF/F	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure Capacitance (@ 10 Hz to 120 Hz)	11 μ F to 32.999 9 μ F	30 nF + 4 mF/F	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O



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Electrical	Equipment to Measure Capacitance (@ 10 Hz to 80 Hz)	33 μ F to 109.999 μ F	100 nF + 4.5 mF/F	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure Capacitance (@ Up to 50 Hz)	110 μ F to 329.999 μ F	300 nF + 4.5 mF/F	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure Capacitance (@ Up to 20 Hz)	0.33 mF to 1 .099 99 mF	1 μ F + 4.5 mF/F	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O



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Electrical	Equipment to Measure Capacitance (@ Up to 6 Hz	1.1 mF to 3.299 9 mF	3 μ F + 4.5 mF/F	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure Capacitance (@ Up to 2 Hz	3.3 mF to 10.999 9 mF	10 μ F + 4.5 mF/F	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O
Electrical	Equipment to Measure Capacitance (@ Up to 0.6 Hz	11 mF to 32.999 9 mF	30 μ F + 7.5 mF/F	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures	F1, F3	F, O



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Electrical	Equipment to Measure Capacitance (@ Up to 0.2 Hz)	33 mF to 10 mF	100 μ F + 11 mF/F	Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 10 Hz to 20 kHz)	100 mW to 250 mW	12 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 10 Hz to 20 kHz)	25 mW to 100 mW	12 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 10 Hz to 20 kHz)	20 μ W to 25 mW	12 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 10 Hz to 20 kHz)	16 nW to 20 μ W	12 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O



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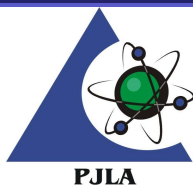
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Electrical	Equipment to Measure Power (@ 20 kHz to 100 kHz)	100 mW to 250 mW	12 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 20 kHz to 100 kHz)	25 mW to 100 mW	12 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 20 kHz to 100 kHz)	20 μ W to 25 mW	12 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 20 kHz to 100 kHz)	16 nW to 20 μ W	12 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 100 kHz to 10 MHz)	100 mW to 250 mW	12 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 100 kHz to 10 MHz)	25 mW to 100 mW	12 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O



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Electrical	Equipment to Measure Power (@ 100 kHz to 10 MHz)	20 μ W to 25 mW	12 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 100 kHz to 10 MHz)	16 nW to 20 μ W	12 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 100 kHz to 10 MHz)	40 pW to 16 nW	48 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 100 kHz to 10 MHz)	4 pW to 40 pW	130 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 100 kHz to 10 MHz)	0.4 pW to 4 pW	130 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 10 MHz to 125 MHz)	100 mW to 250 mW	12 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O



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Electrical	Equipment to Measure Power (@ 10 MHz to 125 MHz)	25 mW to 100 mW	12 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 10 MHz to 125 MHz)	20 μ W to 25 mW	12 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 10 MHz to 125 MHz)	16 nW to 20 μ W	12 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 10 MHz to 125 MHz)	40 pW to 16 nW	48 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 10 MHz to 125 MHz)	4 pW to 40 pW	130 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 10 MHz to 125 MHz)	0.4 pW to 4 pW	130 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	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
Electrical	Equipment to Measure Power (@ 10 MHz to 125 MHz)	1 pW to 0.4 pW	420 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 10 MHz to 125 MHz)	100 mW to 250 mW	12 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 10 MHz to 125 MHz)	25 mW to 100 mW	12 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 10 MHz to 125 MHz)	20 μ W to 25 mW	12 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 10 MHz to 125 MHz)	16 nW to 20 μ W	12 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 10 MHz to 125 MHz)	40 pW to 16 nW	48 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O



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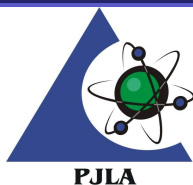
American Valley Avionics and Calibration

137 Industrial Loop South, Orange Park, FL 32073

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Electrical	Equipment to Measure Power (@ 10 MHz to 125 MHz)	4 pW to 40 pW	130 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 10 MHz to 125 MHz)	0.4 pW to 4 pW	130 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 10 MHz to 125 MHz)	0.1 pW to 0.4 pW	420 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 125 MHz to 300 MHz)	25 mW to 100 mW	24m W/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 125 MHz to 300 MHz)	20 μ W to 25 mW	24m W/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 125 MHz to 300 MHz)	16 nW to 20 μ W	24m W/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O



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Electrical	Equipment to Measure Power (@ 125 MHz to 300 MHz)	40 pW to 16 nW	48 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 125 MHz to 300 MHz)	4 pW to 40 pW	130 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 125 MHz to 300 MHz)	0.4 pW to 4 pW	130 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 125 MHz to 300 MHz)	1 pW to 0.4 pW	420 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 300 MHz to 1.4 GHz)	25 mW to 100 mW	60 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 300 MHz to 1.4 GHz)	20 μ W to 25 mW	60 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O



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Electrical	Equipment to Measure Power (@ 300 MHz to 1.4 GHz)	16 nW to 20 μ W	130 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 300 MHz to 1.4 GHz)	40 pW to 16 nW	130 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 300 MHz to 1.4 GHz)	4 pW to 40 pW	260 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 300 MHz to 1.4 GHz)	0.4 pW to 4 pW	260 mW/W	Fluke 9640A	GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 300 MHz to 1.4 GHz)	1 fW to 0.4 pW	420 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 1.4 GHz to 3 GHz)	20 μ W to 25 mW	72 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O



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Electrical	Equipment to Measure Power (@ 1.4 GHz to 3 GHz)	16 nW to 20 μ W	130 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 1.4 GHz to 3 GHz)	4 pW to 40 pW	260 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 1.4 GHz to 3 GHz)	0.4 pW to 4 pW	260 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 1.4 GHz to 3 GHz)	1 pW to 0.4 pW	420 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 3 GHz to 4 GHz)	20 μ W to 25 mW	130 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 3 GHz to 4 GHz)	16 nW to 20 μ W	130 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O



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Electrical	Equipment to Measure Power (@ 3 GHz to 4 GHz)	40 pW to 16 nW	130 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Measure Power (@ 3 GHz to 4 GHz)	4 pW to 40 pW	260 mW/W	Fluke 9640A	GIDEP 33K4-4-858-1, GIDEP 33K3-4-3565-1, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013 GIDEP NA12-50GW-013	F1, F3	F, O
Electrical	Equipment to Output Power (@ 10 MHz to 18 GHz)	100 pW to 10 μ W	3.64% of reading	HP 438A with HP 8481 D	GIDEP 33K4-4-860-1, GIDEP 33K4-4-858-1, GIDEP 33K4-4-770-1, GIDEP 33K3-4-3565-1, GIDEP NA17-50GW-013, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013,	F1, F3	F, O
Electrical	Equipment to Output Power (@ 50 MHz to 26.5 GHz)	1 μ W to 100 mW	2.79% of reading	HP 438 A with HP 8485A	GIDEP 33K4-4-860-1, GIDEP 33K4-4-858-1, GIDEP 33K4-4-770-1, GIDEP 33K3-4-3565-1, GIDEP NA17-50GW-013, GIDEP NA17-20GW-85, GIDEP NA17-50GA-013,	F1, F3	F, O



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Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type B	600 °C to 800 °C	0.44 °C	Electrical Simulation of Thermocouple Output Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type B	800 °C to 1 000 °C	0.34 °C	Electrical Simulation of Thermocouple Output Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type B	1 000 °C to 1 550 °C	0.3 °C	Electrical Simulation of Thermocouple Output Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	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	Electrical Simulation of Thermocouple Output Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type C	0 °C to 150 °C	0.3 °C	Electrical Simulation of Thermocouple Output Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type C	150 °C to 650 °C	0.26 °C	Electrical Simulation of Thermocouple Output Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O



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Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type C	650 °C to 1 000 °C	0.31 °C	Electrical Simulation of Thermocouple Output Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type C	1 000 °C to 1 800 °C	0.5 °C	Electrical Simulation of Thermocouple Output Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type C	1 800 °C to 2 316 °C	0.84 °C	Electrical Simulation of Thermocouple Output Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O



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Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type E	-250 °C to -100 °C	0.5 °C	Electrical Simulation of Thermocouple Output Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type E	-100 °C to -25 °C	0.16 °C	Electrical Simulation of Thermocouple Output Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type E	-25 °C to 350 °C	0.14 °C	Electrical Simulation of Thermocouple Output Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O



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Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type E	350 °C to 650 °C	0.17 °C	Electrical Simulation of Thermocouple Output Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type E	650 °C to 1 000 °C	0.24 °C	Electrical Simulation of Thermocouple Output Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type J	-210 °C to -100 °C	0.27 °C	Electrical Simulation of Thermocouple Output Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O



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Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type J	-100 °C to -25 °C	0.16 °C	Electrical Simulation of Thermocouple Output Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type J	-30 °C to 150 °C	0.14 °C	Electrical Simulation of Thermocouple Output Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type J	150 °C to 760 °C	0.18 °C	Electrical Simulation of Thermocouple Output Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O



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

FIELD OF CALIBRATION	MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	EXPANDED MEASUREMENT UNCERTAINTY ($\pm$) ¹	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	FLEX CODE	LOCATION OF ACTIVITY
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type J	760 °C to 1 200 °C	0.24 °C	Electrical Simulation of Thermocouple Output Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type K	-200 °C to -100 °C	0.33 °C	Electrical Simulation of Thermocouple Output Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type K	-100 °C to -25 °C	0.18 °C	Electrical Simulation of Thermocouple Output Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O



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Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type K	-25 °C to 120 °C	0.16 °C	Electrical Simulation of Thermocouple Output Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type K	120 °C to 1 000 °C	0.26 °C	Electrical Simulation of Thermocouple Output Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type K	1 000 °C to 1 372 °C	0.4 °C	Electrical Simulation of Thermocouple Output Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F3	F, O



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Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type N	-200 °C to -100 °C	0.4 °C	Electrical Simulation of Thermocouple Output Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type N	-100 °C to -25 °C	0.22 °C	Electrical Simulation of Thermocouple Output Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type N	-125 °C to 120 °C	0.19 °C	Electrical Simulation of Thermocouple Output Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F2	F, O



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Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type N	120 °C to 410 °C	0.18 °C	Electrical Simulation of Thermocouple Output Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type N	410 °C to 1 300 °C	0.27 °C	Electrical Simulation of Thermocouple Output Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type R	0 °C to 250 °C	0.57 °C	Electrical Simulation of Thermocouple Output Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	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	Electrical Simulation of Thermocouple Output Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	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	Electrical Simulation of Thermocouple Output Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type R	1 000 °C to 1 767 °C	0.4 °C	Electrical Simulation of Thermocouple Output Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F2	F, O



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Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type T	-250 °C to -15 °C	0.63 °C	Electrical Simulation of Thermocouple Output Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type T	-150 °C to 0 °C	0.24 °C	Electrical Simulation of Thermocouple Output Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F2	F, O
Electrical	Temperature Calibration, Indication and Control Equipment used with Thermocouple Type T	0 °C to 120 °C	0.16 °C	Electrical Simulation of Thermocouple Output Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	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	Electrical Simulation of Thermocouple Output Fluke 5520A	CP-009-Electrical Measuring Devices Calibration Procedure, Fluke Model Specific Automated and Manual Calibration Procedures, GIDEP 33K1-4, 33K8-4, NA17-20AQ, and TB9-6625 Series Digital Multimeter Calibration Procedures,	F1, F2	F, O
Mass, Force, and Weighing Devices	ANSI/ ASTM Class 7 Mass	50 g to 4 100 g	0.05 g	Ohaus EID120	AVACS-08	F1, F3	F, O
Mass, Force, and Weighing Devices	ANSI/ ASTM Class 7 Mass	4.1 kg to 15 kg	0.49 g	Fairbanks 70-6115	AVACS-08	F1, F3	F, O
Mass, Force, and Weighing Devices	Force Gages and Load Cell Based Devices (Tension & Compression)	2 N to 445 N	0.4 N	Omega LCI01-100 with DPM-3	AVACS-FG01	F1, F3	F, O
Mass, Force, and Weighing Devices	Force Gages and Load Cell Based Devices (Tension & Compression)	445 N to 2 225 N	1.4 N	Omega LCI01-500 with DPM-3	AVACS-FG01	F1, F3	F, O
Mass, Force, and Weighing Devices	Force Gages and Load Cell Based Devices (Tension & Compression)	2 225 N to 9 000 N	4.9 N	Omega LCI01-2k with DPM-3	AVACS-FG01	F1, F3	F, O



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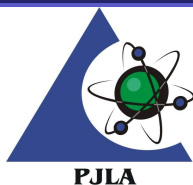
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Mass, Force, and Weighing Devices	Force Gages and Load Cell Based Devices (Tension & Compression)	9 000 N to 45 000 N	22 N	Omega LCI01-10k with DPM-3	AVACS-FG01	F1, F3	F, O
Mechanical	Torque Wrenches	45.2 N•cm to 226 N•cm	0.59 % of reading	Mountz S 320	CP-001-Torque	F1, F3	F, O
Mechanical	Torque Wrenches	3.40 N•m to 16.9 N•m	0.77 % of reading	AWS 3015	CP-001-Torque	F1, F3	F, O
Mechanical	Torque Wrenches	3.00 N•m to 28.25 N•m	0.73 % of reading	CDI 2502-I-DDT	CP-001-Torque	F1, F3	F, O
Mechanical	Torque Wrenches	34.0 N•m to 340 N•m	0.65 % of reading	CDI 2503-F-DDT	CP-001-Torque	F1, F3	F, O
Mechanical	Torque Wrenches	160 N•m to 813 N•m	1 % of reading	Transducer Techniques SWS-1 k with DPM-3	CP-001-Torque	F1, F3	F, O
Mechanical	Torque Wrenches	150 N•m to 1 500 N•m	4.1 N•m	Transducer Techniques SWS-1 k with DPM-3	CP-001-Torque	F1, F3	F, O
Mechanical	Equipment to Measure Pressure	160 kPa to 52 000 kPa (Relative to atm)	52 kPa	Ashcroft ATE-100/AQS-2	AVACS-PG01, AVACS PG02, AVACS PG03	F1, F3	F, O
Mechanical	Equipment to Measure Pressure	0 kPa to 6.895 kPa	(4 + 5.5 x 10 ⁻² P) kPa	Additel ADT681A	AVACS-PG01, AVACS PG02, AVACS PG03	F1, F3	F, O
Mechanical	Equipment to Measure Pressure	5 kPa to 7 MPa	(10 + 3.7 x 10 ⁻⁵ P) Pa	DHI PG7601	AVACS-PG01, AVACS PG02, AVACS PG03	F1, F3	F, O
Thermodynamic	Equipment to Measure Temperature Thermistors	-45 °C to 140 °C	0.034 °C	Hart Scientific 9170, Hart Scientific 5616-12, & HP 3458A	AVACS-TI01	F1, F2	F, O
Thermodynamic	RTD's	-45 °C to 140 °C	0.1 °C	HP 3458A	AVACS-TI01	F1, F2	F, O



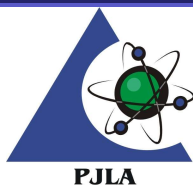
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Thermodynamic	RTD's	141 °C to 320 °C	0.59 °C	King Nutronics Drywell 3604, Hart Scientific 5616- 12, & HP 3458A	AVACS-TI01	F1, F3	F, O
Thermodynamic	RTD's	37 °C to 400 °C	(0.06 + 0.001 5 Te) °C	King Nutronics Drywell 3604-1-101	AVACS-TI01	F1, F3	F, O
Thermodynamic	Thermocouples	-45 °C to 140 °C	0.18 °C	Hart Scientific 9170, Hart Scientific 5616, & HP 3458A	AVACS-TI01	F1, F3	F, O
Thermodynamic	Thermocouples	141 °C to 320 °C	0.61 °C	King Nutronics Drywell 3604, Hart Scientific 5616- 12, & HP 3458A	AVACS-TI01	F1, F3	F, O
Thermodynamic	Thermocouples	321 °C to 650 °C	(0.11 + 0.001 5Te) °C	King Nutronics Drywell 3604	AVACS-TI01	F1, F3	F, O
Thermodynamic	Liquid-in-Glass Thermometers	-45 °C to 140 °C	0.31 °C	Hart Scientific 9170, Hart Scientific 5616, & HP 3458A	AVACS-25	F1, F3	F, O
Thermodynamic	Liquid-in-Glass Thermometers	141 °C to 320 °C	0.97 °C	King Nutronics Drywell 3604, Hart Scientific 5616- 12, & HP 3458A	AVACS-25	F1, F3	F, O
Thermodynamic	Liquid-in-Glass Thermometers	321 °C to 650 °C	1.2 °C	King Nutronics Drywell 3604	AVACS-25	F1, F3	F, O
Thermodynamic	IR Devices	50 °C to 121 °C	0.95 °C	Reed BX-500, Hart Scientific 5616- 12, & HP 3458A	CP-013- Infrared Thermometers Fixed and Handheld	F1, F2	F, O
Thermodynamic	IR Devices	122 °C to 260 °C	1.4 °C	Reed BX-500, Hart Scientific 5616- 12, & HP 3458A	CP-013- Infrared Thermometers Fixed and Handheld	F1, F2	F, O



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Thermodynamic	IR Devices	261 °C to 350 °C	2.1 °C	Reed BX-500, Hart Scientific 5616-12, & HP 3458A	CP-013- Infrared Thermometers Fixed and Handheld	F1, F2	F, O
Thermodynamic	Equipment to Source Temperature Bath and Block Calibrators	-196 °C to 125 °C	0.18 °C	Hart Scientific 5616 with HP 3458A	AVACS-TI01	F1, F3	F, O
Thermodynamic	Equipment to Source Temperature Bath and Block Calibrators	125 °C to 420 °C	0.28 °C	Hart Scientific 5616 with HP 3458A	AVACS-TI01	F1, F3	F, O
Time and Frequency	Equipment to Measure Frequency	10 MHz	64 μ Hz	GPS Time Standard-Hewlett Packard Z3801A	NIST 960-12 CP-011-Stopwatch-Timer	F1, F2	F, O
Time and Frequency	Equipment to Output Frequency	10 Hz to 20 GHz (Res. 1 Hz)	2 μ Hz/Hz	Hewlett Packard 5350B with Hewlett Packard Z3801A	CP-012 Electrical and Resistance Sourcing Devices	F1, F2	F, O



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

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

Location Code	Location
F	Conformity assessment activity is performed at the CABs fixed facility
O	Conformity assessment activity is performed onsite at the CABs customer location
4. Measurement uncertainties obtained for calibrations performed at customer sites can be expected to be larger than the measurement uncertainties obtained at the laboratories fixed location for similar calibrations. This is due to the effects of transportation of the standards and equipment and upon environmental conditions at the customer site, which are typically not controlled as closely as at the laboratories fixed location.
5. The term L represents length in inches or millimeters as appropriate to the uncertainty statement.