



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

A.V.C. Laboratory Inc
8228 NW 14th Street, Doral, FL 33126

*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:

***Acoustic, Chemical, Dimensional, Electrical, Mass, Force, and Weighing,
Optical, Mechanical, Time & Frequency, and Thermodynamic Calibration
(As detailed in the supplement)***

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

For PJLA:

Tracy Szerszen
President

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

Initial Accreditation Date:

August 11, 2016

Issue Date:

February 09, 2025

Expiration Date:

February 28, 2027

Revision Date:

May 22, 2026

Accreditation No.:

83028

Certificate No.:

L25-103-R3

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



Certificate of Accreditation: Supplement

A.V.C. Laboratory, Inc.

8228 NW 14th Street, Doral, FL 33126

Contact Name: Freddy Vergel Phone: 786-542-8710

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
Acoustic	Equipment to Measure Sound Level (Meters)	94 dB	0.32 dB	Sound Level Calibrator	AVP-137/ GIDEP	F1, F2, F3	F, O
Acoustic	Equipment to Measure Sound Level (Meters)	114 dB	0.32 dB	Sound Level Calibrator	AVP-137/ GIDEP	F1, F2, F3	F, O
Chemical	pH Meters	4 pH	0.011 pH	pH Buffer Solution (Certified Reference Material)	AVP-140/ GIDEP	F1, F2, F3	F, O
Chemical	pH Meters	7 pH	0.011 pH	pH Buffer Solution (Certified Reference Material)	AVP-140/ GIDEP	F1, F2, F3	F, O
Chemical	pH Meters	10 pH	0.011 pH	pH Buffer Solution (Certified Reference Material)	AVP-140/ GIDEP	F1, F2, F3	F, O
Chemical	Conductivity Meters	0.75 μ S/cm	0.3 μ S/cm	Conductivity Solution (Certified Reference Material)	AVP-141/ GIDEP	F1, F2, F3	F, O
Chemical	Conductivity Meters	10.07 μ S/cm	0.3 μ S/cm	Conductivity Solution (Certified Reference Material)	AVP-141/ GIDEP	F1, F2, F3	F, O
Chemical	Conductivity Meters	100.2 μ S/cm	0.8 μ S/cm	Conductivity Solution (Certified Reference Material)	AVP-141/ GIDEP	F1, F2, F3	F, O
Chemical	Conductivity Meters	1 000 μ S/cm	3 μ S/cm	Conductivity Solution (Certified Reference Material)	AVP-141/ GIDEP	F1, F2, F3	F, O
Dimensional	Calipers	Up to 52 in (Resolution: 0.001 in)	(580 + 6.3L) μ in	Gage Blocks, Long Blocks	AVP-100/ GIDEP	F1, F2, F3	F, O
Dimensional	Calipers	Up to 52 in (Resolution: 0.000 5 in)	(290 + 6.3L) μ in	Gage Blocks, Long Blocks	AVP-100/ GIDEP	F1, F2, F3	F, O



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Dimensional	Micrometers	Up to 52 in (Resolution: 0.001 in)	(580 + 6.3L) μ in	Gage Blocks, Long Blocks, Optical Flat	AVP-100/ GIDEP	F1, F2, F3	F, O
Dimensional	Micrometers	Up to 52 in (Resolution: 0.000 1 in)	(59 + 6.3L) μ in	Gage Blocks, Long Blocks, Optical Flat	AVP-100/ GIDEP	F1, F2, F3	F, O
Dimensional	Micrometers	Up to 52 in (Resolution: 0.000 05 in)	(30 + 6.3L) μ in	Gage Blocks, Long Blocks, Optical Flat	AVP-100/ GIDEP	F1, F2, F3	F, O
Dimensional	Micrometers	Up to 52 in (Resolution: 0.000 001 in)	(6 + 6.3L) μ in	Gage Blocks, Long Blocks, Optical Flat	AVP-100/ GIDEP	F1, F2, F3	F, O
Dimensional	Height Gages	Up to 52 in (Resolution: 0.001 in)	(580 + 6.3L) μ in	Gage Blocks, Long Blocks	AVP-113/ GIDEP	F1, F2, F3	F, O
Dimensional	Height Gages	Up to 52 in (Resolution: 0.000 5 in)	(290 + 6.3L) μ in	Gage Blocks, Long Blocks	AVP-113/ GIDEP	F1, F2, F3	F, O
Dimensional	Height Gages	Up to 52 in (Resolution: 0.000 1 in)	(59 + 6.3L) μ in	Gage Blocks, Long Blocks	AVP-113/ GIDEP	F1, F2, F3	F, O
Dimensional	Height Gages	Up to 52 in (Resolution: 0.000 05 in)	(30 + 6.3L) μ in	Gage Blocks, Long Blocks	AVP-113/ GIDEP	F1, F2, F3	F, O
Dimensional	Depth Gages	Up to 52 in (Resolution: 0.001 in)	(580 + 6.3L) μ in	Gage Blocks, Long Blocks	AVP-113/ GIDEP	F1, F2, F3	F, O
Dimensional	Depth Gages	Up to 52 in (Resolution: 0.000 5 in)	(290 + 6.3L) μ in	Gage Blocks, Long Blocks	AVP-113/ GIDEP	F1, F2, F3	F, O
Dimensional	Depth Gages	Up to 52 in (Resolution: 0.0 001 in)	(59 + 6.3L) μ in	Gage Blocks, Long Blocks	AVP-113/ GIDEP	F1, F2, F3	F, O
Dimensional	Depth Gages	Up to 52 in (Resolution: 0.000 05 in)	(30 + 6.3L) μ in	Gage Blocks, Long Blocks	AVP-113/ GIDEP	F1, F2, F3	F, O
Dimensional	Tool Maker Microscope (Linearity)	Up to 2 in	(160 + 6L) μ in	Master Glass Scales	AVP-114/ GIDEP	F1, F2, F3	F, O



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Dimensional	Dial/ Digital Indicators	Up to 2 in (Resolution: 0.001 in)	(145 + 6L) μ in	Gage Blocks	AVP-101/ GIDEP	F1, F2, F3	F, O
Dimensional	Dial/ Digital Indicators	Up to 1 in (Resolution: 0.0 001 in)	(15 + 3L) μ in	Gage Blocks	AVP-101/ GIDEP	F1, F2, F3	F, O
Dimensional	Dial/ Digital Indicators	Up to 2 in (Resolution: 0.000 5 in)	(32 + 3L) μ in	Gage Blocks	AVP-101/ GIDEP	F1, F2, F3	F, O
Dimensional	Dial/ Digital Indicators	Up to 0.5 in (Resolution: 0.000 05 in)	(8 + 1.5L) μ in	Gage Blocks	AVP-101/ GIDEP	F1, F2, F3	F, O
Dimensional	Dial/ Digital Indicators	Up to 0.2 in (Resolutions: 0.000 01 in)	(2 + 0.5L) μ in	Gage Blocks	AVP-101/ GIDEP	F1, F2, F3	F, O
Dimensional	Test Indicators	Up to 0.13 in (Resolutions: 0.000 01 in)	(2 + 0.5L) μ in	Gage Blocks	AVP-101/ GIDEP	F1, F2, F3	F, O
Dimensional	End Rods	Up to 1 in	(9 + 1.5L) μ in	Starrett Multi-Axis w/Precision probe, Gage Blocks	AVP-103/ GIDEP	F1, F2, F3	F, O
Dimensional	End Rods	Up to 4 in	(15 + 3L) μ in	Starrett Multi-Axis w/Precision probe, Gage Blocks	AVP-103/ GIDEP	F1, F2, F3	F, O
Dimensional	End Rods	Up to 8 in	(23 + 6L) μ in	Starrett Multi-Axis w/Precision probe, Gage Blocks	AVP-103/ GIDEP	F1, F2, F3	F, O
Dimensional	End Rods	Up to 11 in	(30 + 6L) μ in	Starrett Multi-Axis w/Precision probe, Gage Blocks	AVP-103/ GIDEP	F1, F2, F3	F, O
Dimensional	End Rods	Up to 18 in	(38 + 6L) μ in	Starrett Multi-Axis w/Precision probe, Gage Blocks	AVP-103/ GIDEP	F1, F2, F3	F, O
Dimensional	End Rods	Up to 24 in	(45 + 6L) μ in	Starrett Multi-Axis w/Precision probe, Gage Blocks	AVP-103/ GIDEP	F1, F2, F3	F, O



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Dimensional	Surface Plate (Flatness)	Up to 48 in (Diagonal)	18 μ in	Planekator w/ Indicator	AVP-106/ GIDEP	F1, F2, F3	F, O
Dimensional	Surface Plate (Repeatability)	Up to 72 in (Diagonal)	65 μ in	Repeat-o-meter, Starrett Multi-Axis	AVP-106/ GIDEP	F1, F2, F3	F, O
Dimensional	Surface Roughness Tester (Ra)	Up to 500 μ in	1.0 μ in	Roughness Specimen	AVP-106/ GIDEP	F1, F2, F3	F, O
Dimensional	Pin Gages	Up to 1.000 in	20 μ in	Z-Mike Laser Micrometer	AVP-107/ GIDEP	F1, F2, F3	F, O
Dimensional	Steel Ruler & Master Scales	Up to 52 in (Resolution: 0.01 in)	(5800 + 6.3L) μ in	Gage Blocks, Long Blocks	AVP-125/ GIDEP	F1, F2, F3	F, O
Dimensional	Bore Measurement Devices	Up to 12 in (Resolution: 0.000 1 in)	(59 + 6.3L) μ in	Gage Blocks Set Ring Gages Set	AVP-101/ GIDEP	F1, F2, F3	F, O
Dimensional	Bore Measurement Devices	Up to 12 in (Resolution: 0.000 5 in)	(290 + 6.3L) μ in	Gage Blocks Set Ring Gages Set	AVP-101/ GIDEP	F1, F2, F3	F, O
Dimensional	Optical Comparator (Linearity)	Up to 12 in	(350 + 6L) μ in	Gage Blocks Set, Long Blocks, Angle Gage Blocks	AVP-114/ GIDEP	F1, F2, F3	F, O
Dimensional	Optical Comparator (Angular)	Up to 360°	5 arc sec	Gage Blocks Set, Long Blocks, Angle Gage Blocks	AVP-114/ GIDEP	F1, F2, F3	F, O
Dimensional	Crimp Tools	Up to 0.5 in	0.000 07 in	Go/No Go Pin Set	AVP-107/ GIDEP	F1, F2, F3	F, O
Dimensional	Almen Gages	Up to 0.5 in (Resolutions: 0.000 1 in)	(15 + 3L) μ in	Gage Blocks	AVP-135/ GIDEP	F1, F2, F3	F, O
Dimensional	Almen Gages	Up to 0.5 in (Resolutions: 0.000 05 in)	(8 + 1.5L) μ in	Gage Blocks	AVP-135/ GIDEP	F1, F2, F3	F, O
Electrical	Equipment to Output DC Voltage	0.6 mV to 100 mV	2.6 μ V/V + 3 μ V	Digital Multimeter	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output DC Voltage	100 mV to 1 V	3.1 μ V/V + 1.4 μ V	Digital Multimeter	AVP-124/ GIDEP	F1, F2, F3	F



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Electrical	Equipment to Output DC Voltage	1 V to 10 V	1.6 μ V/V + 13 μ V	Digital Multimeter	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output DC Voltage	10 V to 100 V	12 μ V/V + 1.9 mV	Digital Multimeter	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output DC Voltage	100 V to 1 000 V	11 μ V/V + 2.4 mV	Digital Multimeter	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure DC Voltage	0.6 mV to 330 mV	4 μ V/V + 1 μ V	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure DC Voltage	330 mV to 3.3 V	3 μ V/V + 2 μ V	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure DC Voltage	3.3 V to 33 V	3 μ V/V + 20 μ V	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure DC Voltage	33 V to 330 V	3 μ V/V + 150 μ V	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure DC Voltage	330 V to 1 000 V	3 μ V/V + 1.5 mV	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure DC Current	0.1 mA to 3.29 mA	10 μ A/A + 0.1 μ A	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure DC Current	3.3 mA to 32.9 mA	10 μ A/A + 0.2 μ A	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure DC Current	33 mA to 329.9 mA	20 μ A/A + 2.5 μ A	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure DC Current	330 mA to 1.09 A	20 μ A/A + 40 μ A	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure DC Current	1.1 A to 2.9 A	65 μ A/A + 40 μ A	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure DC Current	3 A to 10.9 A	60 μ A/A + 500 μ A	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure DC Current	11 A to 20.5 A	90 μ A/A + 750 μ A	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F



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Electrical	Equipment to Output DC Current	0.1 mA to 1 mA	0.04 % of Reading + 0.2 μ A	Digital Multimeter	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output DC Current	1 mA to 10 mA	0.06 % of Reading + 2.9 μ A	Digital Multimeter	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output DC Current	10 mA to 100 mA	0.04 % of Reading + 20 μ A	Digital Multimeter	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output DC Current	100 mA to 400 mA	0.05 % of Reading + 0.1 mA	Digital Multimeter	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output DC Current	400 mA to 1 A	0.07 % of Reading + 0.3 mA	Digital Multimeter	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output DC Current	1 A to 3 A	0.08 % of Reading + 1.2 mA	Digital Multimeter	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output DC Current	3 A to 10 A	0.15 % of Reading + 7.4 mA	Digital Multimeter	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Resistance	0.1 Ω to 10.9 Ω	10 $\mu\Omega/\Omega$ + 5 m Ω	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Resistance	11 Ω to 32.9 Ω	6 $\mu\Omega/\Omega$ + 5 m Ω	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Resistance	33 Ω to 109.9 Ω	5 $\mu\Omega/\Omega$ + 5 m Ω	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Resistance	110 Ω to 329.9 Ω	5 $\mu\Omega/\Omega$ + 5 m Ω	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Resistance	330 Ω to 1.09 k Ω	5 $\mu\Omega/\Omega$ + 5 m Ω	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Resistance	1.1 k Ω to 3.29 k Ω	8 $\mu\Omega/\Omega$ + 5 m Ω	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Resistance	3.3 k Ω to 10.9 k Ω	8 $\mu\Omega/\Omega$ + 5 m Ω	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Resistance	11 k Ω to 32.9 k Ω	8 $\mu\Omega/\Omega$ + 5 m Ω	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F



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Electrical	Equipment to Measure Resistance	33 k Ω to 109.9 k Ω	8 $\mu\Omega/\Omega$ + 5 m Ω	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Resistance	110 k Ω to 329.9 k Ω	8 $\mu\Omega/\Omega$ + 5 m Ω	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Resistance	330 k Ω to 1.09 M Ω	6 $\mu\Omega/\Omega$ + 5 m Ω	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Resistance	1.1 M Ω to 3.29 M Ω	12 $\mu\Omega/\Omega$ + 5 m Ω	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Resistance	3.3 M Ω to 10.9 M Ω	18 $\mu\Omega/\Omega$ + 5 m Ω	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Resistance	11 M Ω to 32.9 M Ω	70 $\mu\Omega/\Omega$ + 5 m Ω	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Resistance	33 M Ω to 109.9 M Ω	85 $\mu\Omega/\Omega$ + 5 m Ω	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Resistance	110 M Ω to 329.9 M Ω	280 $\mu\Omega/\Omega$ + 5 m Ω	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Resistance	330 M Ω to 1 100 M Ω	1 100 $\mu\Omega/\Omega$ + 5 m Ω	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output Resistance	0.1 Ω to 10 Ω	60 $\mu\Omega/\Omega$ + 2.3 m Ω	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output Resistance	10 Ω to 100 Ω	30 $\mu\Omega/\Omega$ + 6.9 m Ω	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output Resistance	100 Ω to 1 k Ω	13 $\mu\Omega/\Omega$ + 0.052 Ω	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output Resistance	1 k Ω to 10 k Ω	14 $\mu\Omega/\Omega$ + 0.52 Ω	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output Resistance	10 k Ω to 100 k Ω	14 $\mu\Omega/\Omega$ + 5.2 Ω	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output Resistance	100 k Ω to 1 M Ω	12 $\mu\Omega/\Omega$ + 52 Ω	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F



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Electrical	Equipment to Output Resistance	1 M Ω to 10 M Ω	16 $\mu\Omega/\Omega$ + 1.2 k Ω	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output Resistance	10 M Ω to 100 M Ω	43 $\mu\Omega/\Omega$ + 47 k Ω	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output Resistance	100 M Ω to 1 G Ω	560 $\mu\Omega/\Omega$ + 8.7 M Ω	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Capacitance	0.19 nF to 0.39 nF	5 mF/F + 0.01 nF	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Capacitance	0.4 nF to 1.09 nF	2 mF/F + 0.01 nF	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Capacitance	1.1 nF to 3.29 nF	1 mF/F + 0.01 nF	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Capacitance	3.3 nF to 10.9 nF	1 mF/F + 0.01 nF	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Capacitance	11 nF to 32.9 nF	1 mF/F + 0.1 nF	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Capacitance	33 nF to 109.9 nF	1 mF/F + 0.1 nF	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Capacitance	110 nF to 329.9 nF	1 mF/F + 0.3 nF	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Capacitance	0.33 μ F to 1.09 μ F	1 mF/F + 1 nF	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Capacitance	1.1 μ F to 3.29 μ F	1 mF/F + 3 nF	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Capacitance	3.3 μ F to 10.9 μ F	1 mF/F + 10 nF	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Capacitance	11 μ F to 32.9 μ F	1 mF/F + 30 nF	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Capacitance	33 μ F to 109.9 μ F	1 mF/F + 100 nF	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F



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A.V.C. Laboratory, Inc.

8228 NW 14th Street, Doral, FL 33126

Contact Name: Freddy Vergel Phone: 786-542-8710

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Electrical	Equipment to Measure Capacitance	110 μ F to 329.9 μ F	1 mF/F + 300 nF	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Capacitance	0.33 mF to 1.09 mF	1 mF/F + 1 μ F	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Capacitance	1.1 mF to 3.29 mF	1 mF/F + 3 μ F	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Capacitance	3.3 mF to 10.9 mF	1 mF/F + 10 μ F	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Capacitance	11 mF to 32.9 mF	1 mF/F + 30 μ F	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Capacitance	33 mF to 110 mF	1 mF/F + 100 μ F	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output Capacitance	0.1 nF to 1 nF	1.2 % of Reading + 26 pF	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output Capacitance	1 nF to 10 nF	0.3 % of Reading + 120 pF	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output Capacitance	10 nF to 100 nF	0.2 % of Reading + 1.2 nF	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output Capacitance	100 nF to 1 μ F	0.2 % of Reading + 12 nF	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output Capacitance	1 μ F to 10 μ F	0.2 % of Reading + 120 nF	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output Capacitance	10 μ F to 100 μ F	0.4 % of Reading + 1.2 μ F	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output Capacitance	100 μ F to 1 mF	0.4 % of Reading + 12 μ F	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output Capacitance	1 mF to 10 mF	0.4 % of Reading + 120 μ F	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output Capacitance	10 mF to 100 mF	1 % of Reading + 2.4 mF	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F



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Electrical	Equipment to Output AC Voltage (@ 3 Hz to 5 Hz)	0.1 mV to 100 mV	35 μ V/V + 0.05 mV	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Voltage (@ 5 Hz to 10 Hz)	0.1 mV to 100 mV	35 μ V/V + 0.05 mV	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Voltage (@ 10 Hz to 20 kHz)	0.1 mV to 100 mV	4.5 μ V/V + 0.05 mV	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Voltage (@ 20 kHz to 50 kHz)	0.1 mV to 100 mV	5.8 μ V/V + 0.09 mV	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Voltage (@ 50 kHz to 100 kHz)	0.1 mV to 100 mV	10 μ V/V + 0.4 mV	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Voltage (@ 100 kHz to 300 kHz)	0.1 mV to 100 mV	30 μ V/V + 2.6 mV	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Voltage (@ 10 Hz to 45 Hz)	1 mV to 32.9 mV	100 μ V/V + 6 μ V	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Voltage (@ 45 Hz to 10 kHz)	1 mV to 32.9 mV	100 μ V/V + 6 μ V	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Voltage (@ 10 kHz to 20 kHz)	1 mV to 32.9 mV	100 μ V/V + 6 μ V	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Voltage (@ 20 kHz to 50 kHz)	1 mV to 32.9 mV	200 μ V/V + 6 μ V	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F



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Electrical	Equipment to Measure AC Voltage (@ 50 kHz to 100 kHz)	1 mV to 32.9 mV	300 μ V/V + 12 μ V	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Voltage (@ 100 kHz to 500 kHz)	1 mV to 32.9 mV	800 μ V/V + 50 μ V	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Voltage (@ 3 Hz to 5 Hz)	100 mV to 1 V	0.29 % of Reading + 0.5 mV	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Voltage (@ 5 Hz to 10 Hz)	100 mV to 1 V	0.29 % of Reading + 0.5 mV	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Voltage (@ 10 Hz to 20 kHz)	100 mV to 1 V	0.03 % of Reading + 0.5 mV	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Voltage (@ 20 kHz to 50 kHz)	100 mV to 1 V	0.04 % of Reading + 1.0 mV	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Voltage (@ 50 kHz to 100 kHz)	100 mV to 1 V	0.09 % of Reading + 4.0 mV	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Voltage (@ 100 kHz to 300 kHz)	100 mV to 1 V	0.69 % of Reading + 2.6 mV	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Voltage (@ 10 Hz to 45 Hz)	33 mV to 329.9 mV	30 μ V/V + 8 μ V	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Voltage (@ 45 Hz to 10 kHz)	33 mV to 329.9 mV	30 μ V/V + 8 μ V	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F



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Electrical	Equipment to Measure AC Voltage (@ 10 kHz to 20 kHz)	33 mV to 329.9 mV	30 μ V/V + 8 μ V	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Voltage (@ 20 kHz to 50 kHz)	33 mV to 329.9 mV	50 μ V/V + 8 μ V	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Voltage (@ 50 kHz to 100 kHz)	33 mV to 329.9 mV	80 μ V/V + 32 μ V	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Voltage (@ 100 kHz to 500 kHz)	33 mV to 329.9 mV	240 μ V/V + 70 μ V	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Voltage (@ 3 Hz to 5 Hz)	1 V to 10 V	0.01 % of Reading + 0.5 mV	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Voltage (@ 5 Hz to 10 Hz)	1 V to 10 V	0.01 % of Reading + 0.5 mV	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Voltage (@ 10 Hz to 20 kHz)	1 V to 10 V	0.004 % of Reading + 0.5 mV	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Voltage (@ 20 kHz to 50 kHz)	1 V to 10 V	0.009 % of Reading + 1.0 mV	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Voltage (@ 50 kHz to 100 kHz)	1 V to 10 V	0.03 % of Reading + 4.0 mV	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Voltage (@ 100 kHz to 300 kHz)	1 V to 10 V	0.04 % of Reading + 9.0 mV	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F



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Electrical	Equipment to Measure AC Voltage (@ 10 Hz to 45 Hz)	0.33 V to 3.29 V	30 μ V/V + 50 μ V	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Voltage (@ 45 Hz to 10 kHz)	0.33 V to 3.29 V	30 μ V/V + 60 μ V	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Voltage (@ 10 kHz to 20 kHz)	0.33 V to 3.29 V	30 μ V/V + 60 μ V	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Voltage (@ 20 kHz to 50 kHz)	0.33 V to 3.29 V	40 μ V/V + 50 μ V	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Voltage (@ 50 kHz to 100 kHz)	0.33 V to 3.29 V	60 μ V/V + 125 μ V	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Voltage (@ 100 kHz to 500 kHz)	0.33 V to 3.29 V	300 μ V/V + 600 μ V	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Voltage (@ 3 Hz to 5 Hz)	10 V to 100 V	0.11 % of Reading + 0.05 mV	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Voltage (@ 5 Hz to 10 Hz)	10 V to 100 V	0.11 % of Reading + 0.05 mV	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Voltage (@ 10 Hz to 20 kHz)	10 V to 100 V	0.03 % of Reading + 0.05 mV	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Voltage (@ 20 kHz to 50 kHz)	10 V to 100 V	0.1 % of Reading + 0.1 mV	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F



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Electrical	Equipment to Output AC Voltage (@ 50 kHz to 100 kHz)	10 V to 100 V	0.3 % of Reading + 0.2 mV	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Voltage (@ 100 kHz to 300 kHz)	10 V to 100 V	2.5 % of Reading + 0.4 mV	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Voltage (@ 10 Hz to 45 Hz)	3.3 V to 32.9 V	30 μ V/V + 650 μ V	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Voltage (@ 45 Hz to 10 kHz)	3.3 V to 32.9 V	30 μ V/V + 600 μ V	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Voltage (@ 10 kHz to 20 kHz)	3.3 V to 32.9 V	30 μ V/V + 600 μ V	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Voltage (@ 20 kHz to 50 kHz)	3.3 V to 32.9 V	45 μ V/V + 600 μ V	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Voltage (@ 50 kHz to 100 kHz)	3.3 V to 32.9 V	75 μ V/V + 1 600 μ V	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Voltage (@ 45 Hz to 1 kHz)	33 V to 329.9 V	40 μ V/V + 2 mV	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Voltage (@ 1 kHz to 10 kHz)	33 V to 329.9 V	40 μ V/V + 6 mV	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Voltage (@ 10 kHz to 20 kHz)	33 V to 329.9 V	40 μ V/V + 6 mV	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F



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Electrical	Equipment to Measure AC Voltage (@ 20 kHz to 50 kHz)	33 V to 329.9 V	100 μ V/V + 6 mV	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Voltage (@ 50 kHz to 100 kHz)	33 V to 329.9 V	2 000 μ V/V + 50 000 μ V	Multifunction Calibrator	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Voltage (@ 3 Hz to 5 Hz)	100 V to 1 000 V	0.11 % of Reading + 0.3 mV	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Voltage (@ 5 Hz to 10 Hz)	100 V to 1 000 V	0.11 % of Reading + 0.3 mV	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Voltage (@ 10 Hz to 20 kHz)	100 V to 1 000 V	0.07 % of Reading + 0.3 mV	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Voltage (@ 20 kHz to 50 kHz)	100 V to 1 000 V	0.04 % of Reading + 0.3 mV	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Voltage (@ 50 kHz to 100 kHz)	100 V to 1 000 V	0.4 % of Reading + 0.5 mV	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Voltage (@ 100 kHz to 300 kHz)	100 V to 1 000 V	0.4 % of Reading + 0.5 mV	Digital Multimeter	AVP-127/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Voltage (@ 45 Hz to 1 kHz)	330 V to 1 020 V	35 μ V/V + 10 mV	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Voltage (@ 1 kHz to 5 kHz)	330 V to 1 020 V	35 μ V/V + 10 mV	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F



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Electrical	Equipment to Measure AC Voltage (@ 5 kHz to 10 kHz)	330 V to 1 020 V	35 μ V/V + 10 mV	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Current (@ 3 Hz to 5 Hz)	0.1 mA to 1 mA	0.03 % of Reading + 0.8 μ A	Digital Multimeter	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Current (@ 5 Hz to 10 Hz)	0.1 mA to 1 mA	0.03 % of Reading + 0.8 μ A	Digital Multimeter	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Current (@ 10 Hz to 5 kHz)	0.1 mA to 1 mA	0.008 % of Reading + 0.8 μ A	Digital Multimeter	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Current (@ 5 kHz to 10 kHz)	0.1 mA to 1 mA	0.02 % of Reading + 2.6 μ A	Digital Multimeter	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Current (@ 10 Hz to 20 Hz)	0.029 mA to 0.329 mA	300 μ A/A + 0.1 μ A	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Current (@ 20 Hz to 45 Hz)	0.029 mA to 0.329 mA	200 μ A/A + 0.1 μ A	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Current (@ 45 Hz to 1 kHz)	0.029 mA to 0.329 mA	150 μ A/A + 0.1 μ A	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Current (@ 1 kHz to 5 kHz)	0.029 mA to 0.329 mA	300 μ A/A + 0.2 μ A	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Current (@ 5 kHz to 10 kHz)	0.029 mA to 0.329 mA	450 μ A/A + 0.2 μ A	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F



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Electrical	Equipment to Output AC Current (@ 3 Hz to 5 Hz)	1 mA to 10 mA	0.03 % of Reading + 8 μ A	Digital Multimeter	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Current (@ 5 Hz to 10 Hz)	1 mA to 10 mA	0.03 % of Reading + 8 μ A	Digital Multimeter	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Current (@ 10 Hz to 5 kHz)	1 mA to 10 mA	0.01 % of Reading + 8 μ A	Digital Multimeter	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Current (@ 5 kHz to 10 kHz)	1 mA to 10 mA	0.01 % of Reading + 26 μ A	Digital Multimeter	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Current (@ 10 Hz to 20 Hz)	0.33 mA to 3.29 mA	250 μ A/A + 0.2 μ A	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Current (@ 20 Hz to 45 Hz)	0.33 mA to 3.29 mA	200 μ A/A + 0.2 μ A	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Current (@ 45 Hz to 1 kHz)	0.33 mA to 3.29 mA	150 μ A/A + 0.2 μ A	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Current (@ 1 kHz to 5 kHz)	0.33 mA to 3.29 mA	150 μ A/A + 0.2 μ A	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Current (@ 5 kHz to 10 kHz)	0.33 mA to 3.29 mA	900 μ A/A + 0.3 μ A	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Current (@ 10 kHz to 30 kHz)	0.33 mA to 3.29 mA	900 μ A/A + 0.6 μ A	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F



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Electrical	Equipment to Output AC Current (@ 3 Hz to 5 Hz)	10 mA to 100 mA	0.03 % of Reading + 81 μ A	Digital Multimeter	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Current (@ 5 Hz to 10 Hz)	10 mA to 100 mA	0.03 % of Reading + 81 μ A	Digital Multimeter	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Current (@ 10 Hz to 5 kHz)	10 mA to 100 mA	0.01 % of Reading + 81 μ A	Digital Multimeter	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Current (@ 5 kHz to 10 kHz)	10 mA to 100 mA	0.03 % of Reading + 0.26 mA	Digital Multimeter	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Current (@ 10 Hz to 20 Hz)	3.3 mA to 32.9 mA	150 μ A/A + 3 μ A	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Current (@ 20 Hz to 45 Hz)	3.3 mA to 32.9 mA	150 μ A/A + 2 μ A	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Current (@ 45 Hz to 1 kHz)	3.3 mA to 32.9 mA	150 μ A/A + 2 μ A	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Current (@ 1 kHz to 5 kHz)	3.3 mA to 32.9 mA	150 μ A/A + 2 μ A	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Current (@ 5 kHz to 10 kHz)	3.3 mA to 32.9 mA	300 μ A/A + 3 μ A	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Current (@ 10 kHz to 30 kHz)	3.3 mA to 32.9 mA	900 μ A/A + 4 μ A	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F



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Electrical	Equipment to Output AC Current (@ 3 Hz to 5 Hz)	100 mA to 400 mA	0.11 % of reading + 0.43 mA	Digital Multimeter	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Current (@ 5 Hz to 10 Hz)	100 mA to 400 mA	0.11 % of reading + 0.43 mA	Digital Multimeter	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Current (@ 10 Hz to 5 kHz)	100 mA to 400 mA	0.11 % of reading + 2 mA	Digital Multimeter	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Current (@ 5 kHz to 10 kHz)	100 mA to 400 mA	0.30 % of reading + 2 mA	Digital Multimeter	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Current (@ 10 Hz to 20 Hz)	33 mA to 329.9 mA	150 μ A/A + 20 μ A	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Current (@ 20 Hz to 45 Hz)	33 mA to 329.9 mA	150 μ A/A + 20 μ A	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Current (@ 45 Hz to 1 kHz)	33 mA to 329.9 mA	150 μ A/A + 20 μ A	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Current (@ 1 kHz to 5 kHz)	33 mA to 329.9 mA	150 μ A/A + 50 μ A	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Current (@ 5 kHz to 10 kHz)	33 mA to 329.9 mA	300 μ A/A + 100 μ A	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Current (@ 10 kHz to 30 kHz)	33 mA to 329.9 mA	900 μ A/A + 200 μ A	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F



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Electrical	Equipment to Output AC Current (@ 3 Hz to 5 Hz)	400 mA to 1 A	0.03 % of reading + 0.8 mA	Digital Multimeter	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Current (@ 5 Hz to 10 Hz)	400 mA to 1 A	0.03 % of reading + 0.8 mA	Digital Multimeter	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Current (@ 10 Hz to 5 kHz)	400 mA to 1 A	0.02 % of reading + 0.8 mA	Digital Multimeter	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Current (@ 5 kHz to 10 kHz)	400 mA to 1 A	0.03 % of reading + 6.1 mA	Digital Multimeter	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Current (@ 10 Hz to 45 Hz)	0.33 A to 1.09 A	100 μ A/A + 0.1 mA	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Current (@ 45 Hz to 1 kHz)	0.33 A to 1.09 A	100 μ A/A + 0.1 mA	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Current (@ 1 kHz to 5 kHz)	0.33 A to 1.09 A	150 μ A/A + 1.0 mA	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Current (@ 5 kHz to 10 kHz)	0.33 A to 1.09 A	400 μ A/A + 5.0 mA	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Current (@ 3 Hz to 5 Hz)	1 A to 3 A	300 μ A/A + 0.1 mA	Digital Multimeter	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Current (@ 5 Hz to 10 Hz)	1 A to 3 A	300 μ A/A + 0.1 mA	Digital Multimeter	AVP-124/ GIDEP	F1, F2, F3	F



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Electrical	Equipment to Output AC Current (@ 10 Hz to 5 kHz)	1 A to 3 A	400 μ A/A + 1.0 mA	Digital Multimeter	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Current (@ 5 kHz to 10 kHz)	1 A to 3 A	600 μ A/A + 5.0 mA	Digital Multimeter	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Current (@ 10 Hz to 45 Hz)	1.1 A to 2.99 A	1.8 mA/A + 100 μ A	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Current (@ 45 Hz to 1 kHz)	1.1 A to 2.99 A	0.6 mA/A + 100 μ A	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Current (@ 1 kHz to 5 kHz)	1.1 A to 2.99 A	6 mA/A + 1 000 μ A	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Current (@ 5 kHz to 10 kHz)	1.1 A to 2.99 A	25 mA/A + 5 000 μ A	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Current (@ 3 Hz to 5 Hz)	3 A to 10 A	0.05 % of reading + 12 mA	Digital Multimeter	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Current (@ 5 Hz to 10 Hz)	3 A to 10 A	0.05 % of reading + 12 mA	Digital Multimeter	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Current (@ 10 Hz to 5 kHz)	3 A to 10 A	0.02 % of reading + 12 mA	Digital Multimeter	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output AC Current (@ 5 kHz to 10 kHz)	3 A to 10 A	0.02 % of reading + 12 mA	Digital Multimeter	AVP-124/ GIDEP	F1, F2, F3	F



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Electrical	Equipment to Measure AC Current (@ 45 Hz to 100 Hz)	3 A to 10.99 A	300 μ A/A + 2 mA	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Current (@ 100 Hz to 1 kHz)	3 A to 10.99 A	300 μ A/A + 2 mA	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Current (@ 1 kHz to 5 kHz)	3 A to 10.99 A	300 μ A/A + 2 mA	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Current (@ 45 Hz to 100 Hz)	11 A to 20.5 A	250 μ A/A + 5 mA	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Current (@ 100 Hz to 1 kHz)	11 A to 20.5 A	250 μ A/A + 5 mA	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure AC Current (@ 1 kHz to 5 kHz)	11 A to 20.5 A	300 μ A/A + 5 mA	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Phase Angle – Meter (@ 10 Hz to 65 Hz)	Up to 360 °	0.05 °	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Phase Angle – Meter (@ 65 Hz to 400 Hz)	Up to 360 °	0.05 °	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Phase Angle – Meter (@ 400 Hz to 5 kHz)	Up to 360 °	0.2 °	Multifunction Calibrator	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Oscilloscope Level Sine Amp (@ 50 kHz Ref.)	5 mV to 5 V _(p-p)	0.3 mV + 3 % of Reading	Multifunction Calibrator/SC1.1G	AVP-124/ GIDEP	F1, F2, F3	F



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Electrical	Oscilloscope Level Sine Flatness (@ 50 kHz to 100 MHz) (Relative to 50 kHz Reference)	5 mV to 5.5 V	0.1 mV + 2 % of Reading	Multifunction Calibrator/SC1.1G	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Oscilloscope Level Sine Flatness (@ 100 MHz to 300 MHz) (Relative to 50 kHz Reference)	5 mV to 5.5 V	0.1 mV + 2.5 % of Reading	Multifunction Calibrator/SC1.1G	AVP-124/ GIDEP	F1, F2, F3	F
Electrical	Oscilloscope Level Sine Flatness (@ 300 MHz to 600 MHz) (Relative to 50 kHz Reference)	5 mV to 5.5 V	0.1 mV + 4.5 % of Reading	Multifunction Calibrator/SC1.1G	AVP-136/ GIDEP	F1, F2, F3	F
Electrical	Oscilloscope Level Sine Flatness (@ 600 MHz to 1 100 MHz) (Relative to 50 kHz Reference)	5 mV to 5.5 V	0.1 mV + 5.5 % of Reading	Multifunction Calibrator/SC1.1G	AVP-136/ GIDEP	F1, F2, F3	F
Electrical	Oscilloscope Square Wave (1 M Ω , 100 Hz)	1 mV to 150 V _(p-p)	40 μ V + 0.2 % of Reading	Multifunction Calibrator	AVP-136/ GIDEP	F1, F2, F3	F
Electrical	Oscilloscope Square Wave (50 Ω , 1 kHz)	1 mV to 6.6 V _(p-p)	40 μ V + 0.35 % of Reading	Multifunction Calibrator	AVP-136/ GIDEP	F1, F2, F3	F
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 Multifunction Calibrator	AVP-108/ GIDEP	F1, F2, F3	F



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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 Multifunction Calibrator	AVP-108/ GIDEP	F1, F2, F3	F
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 Multifunction Calibrator	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type E	350 °C to 650 °C	0.16 °C	Electrical Simulation of Thermocouple Output Multifunction Calibrator	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type E	650 °C to 1 000 °C	0.21 °C	Electrical Simulation of Thermocouple Output Multifunction Calibrator	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type J	-210 °C to -100 °C	0.27 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type J	-100 °C to -30 °C	0.16 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type J	-30 °C to 150 °C	0.14 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F



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Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type J	150 °C to 760 °C	0.17 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type J	760 °C to 1 200 °C	0.23 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type K	-200 °C to -100 °C	0.33 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type K	-100 °C to -25 °C	0.18 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type K	-25 °C to 120 °C	0.16 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type K	120 °C to 1 000 °C	0.26 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type K	1 000 °C to 1 372 °C	0.40 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F



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Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type T	-250 °C to -150 °C	0.63 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type T	-150 °C to 0 °C	0.24 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type T	0 °C to 120 °C	0.16 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with Thermocouple Type T	120 °C to 400 °C	0.14 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 100 Ω	-200 °C to -80 °C	0.04 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 100 Ω	-80 °C to 0 °C	0.04 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 100 Ω	0 °C to 100 °C	0.04 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F



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Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 100 Ω	100 °C to 260 °C	0.05 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 100 Ω	260 °C to 300 °C	0.12 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 100 Ω	300 °C to 400 °C	0.13 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 100 Ω	400 °C to 600 °C	0.14 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 100 Ω	600 °C to 630 °C	0.16 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3926 100 Ω	-200 °C to -80 °C	0.05 °C	Multifunction Calibrator Electrical Simulation of RTD Output GIDEP	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3926 100 Ω	-80 °C to 0 °C	0.05 °C	Multifunction Calibrator Electrical Simulation of RTD Output GIDEP	AVP-108/ GIDEP	F1, F2, F3	F



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Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3926 100 Ω	0 °C to 100 °C	0.07 °C	Multifunction Calibrator Electrical Simulation of RTD Output GIDEP	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3926 100 Ω	100 °C to 300 °C	0.09 °C	Multifunction Calibrator Electrical Simulation of RTD Output GIDEP	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3926 100 Ω	300 °C to 400 °C	0.1 °C	Multifunction Calibrator Electrical Simulation of RTD Output GIDEP	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3926 100 Ω	400 °C to 630 °C	0.12 °C	Multifunction Calibrator Electrical Simulation of RTD Output GIDEP	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3916 100 Ω	-200 °C to -190 °C	0.25 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3916 100 Ω	-190 °C to -80 °C	0.04 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3916 100 Ω	-80 °C to 0 °C	0.05 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F



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8228 NW 14th Street, Doral, FL 33126

Contact Name: Freddy Vergel Phone: 786-542-8710

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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	Temperature Calibration Indication and Control Equipment used with RTD Pt 3916 100 Ω	0 °C to 100 °C	0.06 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3916 100 Ω	100 °C to 260 °C	0.07 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3916 100 Ω	260 °C to 300 °C	0.08 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3916 100 Ω	300 °C to 400 °C	0.09 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3916 100 Ω	400 °C to 600 °C	0.1 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3916 100 Ω	600 °C to 630 °C	0.23 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 200 Ω	-200 °C to -80 °C	0.08 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F



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Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 200 Ω	-80 °C to 0 °C	0.08 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 200 Ω	0 °C to 100 °C	0.08 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 200 Ω	100 °C to 260 °C	0.1 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 200 Ω	260 °C to 300 °C	0.24 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 200 Ω	300 °C to 400 °C	0.26 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 200 Ω	400 °C to 600 °C	0.28 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 200 Ω	600 °C to 630 °C	0.32 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F



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Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 1 000 Ω	-200 °C to -80 °C	0.03 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 1 000 Ω	-80 °C to 0 °C	0.03 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 1 000 Ω	0 °C to 100 °C	0.04 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 1 000 Ω	100 °C to 260 °C	0.05 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 1 000 Ω	260 °C to 300 °C	0.06 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 1 000 Ω	300 °C to 400 °C	0.07 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 1 000 Ω	400 °C to 600 °C	0.07 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F



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Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 1 000 Ω	600 °C to 630 °C	0.23 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Ni 385 120 Ω	-80 °C to 0 °C	0.08 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Ni 385 120 Ω	0 °C to 100 °C	0.08 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Ni 385 120 Ω	100 °C to 260 °C	0.14 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Cu 427 120 Ω	-100 °C to 260 °C	0.3 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Measure RTD – Pt100 (DIN IEC 751, type 385)	-200 °C to -100 °C	0.05 °C	Digital Multimeter	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Measure RTD – Pt100 (DIN IEC 751, type 385)	-100 °C to 0 °C	0.05 °C	Digital Multimeter	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Measure RTD – Pt100 (DIN IEC 751, type 385)	0 °C	0.03 °C	Digital Multimeter	AVP-108/ GIDEP	F1, F2, F3	F



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Electrical	Temperature Measure RTD – Pt100 (DIN IEC 751, type 385)	0 °C to 100 °C	0.05 °C	Digital Multimeter	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Measure RTD – Pt100 (DIN IEC 751, type 385)	100 °C to 300 °C	0.07 °C	Digital Multimeter	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Temperature Measure RTD – Pt100 (DIN IEC 751, type 385)	300 °C to 600 °C	0.13 °C	Digital Multimeter	AVP-108/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Output DC Voltage	1 kV to 40 kV	0.011 V	Digital Multimeter & High Voltage Probe	AVP-122/ GIDEP	F1, F2, F3	F, O
Electrical	Equipment to Output DC Current	1 A to 700 A	0.01 % of Reading	Digital Multimeter & Shunt	AVP-122/ GIDEP	F1, F2, F3	F, O
Electrical	Equipment to Measure DC Current (Clamp-On)	0.1 A to 1 000 A	0.3 % of Reading + 0.5 A	Multifunction Calibrator with 50 turn coil	AVP-122/ GIDEP	F1, F2, F3	F, O
Electrical	Inductance Measuring Equipment (Fixed Values) (@100 Hz to 1 kHz)	1 mH	1 μ H	Inductance Standard	AVP-127/ GIDEP	F1, F2, F3	F, O
Electrical	Inductance Measuring Equipment (Fixed Values) (@ 100 Hz to 1 kHz)	50 mH	20 μ H	Inductance Standard	AVP-127/ GIDEP	F1, F2, F3	F, O
Electrical	Inductance Measuring Equipment (Fixed Values) (@ 100 Hz to 1 kHz)	100 mH	40 μ H	Inductance Standard	AVP-127/ GIDEP	F1, F2, F3	F, O



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Electrical	Equipment to Measure Distortion (Fundamental Freq 20 Hz to 100 kHz) (@ 50 Hz to 500 kHz)	Up to 99.9 dB	0.1 % of Reading	Audio Analyzer	AVP-138/ GIDEP	F1, F2, F3	F, O
Electrical	Signal Level Measuring Equipment (@ 0.1 Hz to 20 MHz)	+23.98 dBm to -56.02 dBm	0.9 dB	Output Level Function Generator, Synthesized Signal Generator	AVP-138/ GIDEP	F1, F2, F3	F
Electrical	Signal Level Measuring Equipment (@ 100 kHz to 2 000 MHz)	+13.0 dBm to -127.0 dBm	1.1 dBm	Output Level Function Generator, Synthesized Signal Generator	AVP-138/ GIDEP	F1, F2, F3	F
Electrical	Signal Level Measuring Equipment (@ 2 GHz to 18 GHz)	-10.0 dBm to -90.0 dBm	2.1 dBm	Output Level Function Generator, Synthesized Signal Generator	AVP-138/ GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Power (Amplitude)	-70 dBm to +30 dBm	1.1 dBm	Power Meter with Power Sensor and Attenuator	AVP-138/ GIDEP	F1, F2, F3	F
Electrical	Power Meters (Readout Calibration) (Zero Set) (Instrument Accuracy)	3 μ W	0.25 % of reading + 6.2 nW	Power Meter Range Calibrator	AVP-138/ GIDEP	F1, F2, F3	F
Electrical	Power Meters (Readout Calibration) (Zero Set) (Instrument Accuracy)	10 μ W	0.25 % of reading + 6.2 nW	Power Meter Range Calibrator	AVP-138/ GIDEP	F1, F2, F3	F
Electrical	Power Meters (Readout Calibration) (Zero Set) (Instrument Accuracy)	3 μ W	0.25 % of reading + 6.2 nW	Power Meter Range Calibrator	AVP-138/ GIDEP	F1, F2, F3	F



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Electrical	Power Meters (Readout Calibration) (Zero Set) (Instrument Accuracy)	30 μ W	0.25 % of reading + 6.2 nW	Power Meter Range Calibrator	AVP-138/ GIDEP	F1, F2, F3	F
Electrical	Power Meters (Readout Calibration) (Zero Set) (Instrument Accuracy)	100 μ W	0.25 % of reading + 6.2 nW	Power Meter Range Calibrator	AVP-138/ GIDEP	F1, F2, F3	F
Electrical	Power Meters (Readout Calibration) (Zero Set) (Instrument Accuracy)	300 μ W	0.25 % of reading + 6.2 nW	Power Meter Range Calibrator	AVP-138/ GIDEP	F1, F2, F3	F
Electrical	Power Meters (Readout Calibration) (Zero Set) (Instrument Accuracy)	1 mW	0.25 % of reading + 6.2 nW	Power Meter Range Calibrator	AVP-138/ GIDEP	F1, F2, F3	F
Electrical	Power Meters (Readout Calibration) (Zero Set) (Instrument Accuracy)	2 mW	0.25 % of reading + 6.2 nW	Power Meter Range Calibrator	AVP-138/ GIDEP	F1, F2, F3	F
Electrical	Power Meters (Readout Calibration) (Zero Set) (Instrument Accuracy)	10 mW	0.25 % of reading + 6.2 nW	Power Meter Range Calibrator	AVP-138/ GIDEP	F1, F2, F3	F
Electrical	Power Meters (Readout Calibration) (Zero Set) (Instrument Accuracy)	30 mW	0.25 % of reading + 6.2 nW	Power Meter Range Calibrator	AVP-138/ GIDEP	F1, F2, F3	F



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Electrical	Power Meters (Readout Calibration) (Zero Set) (Instrument Accuracy)	100 mW	0.25 % of reading + 6.2 nW	Power Meter Range Calibrator	AVP-138/ GIDEP	F1, F2, F3	F
Electrical	Amplitude Modulation – Measure Rate: 50 Hz to 10 kHz, Depths: 5 % to 99 %	150 kHz to 10 MHz	2 % of reading+ 1 digit	Modulation Analyzer with Power Sensor	AVP-138/ GIDEP	F1, F2, F3	F
Electrical	Amplitude Modulation – Measure Rate: 20 Hz to 10 kHz, Depths: 5 % to 99%	150 kHz to 10 MHz	3 % of reading + 1 digit	Modulation Analyzer with Power Sensor	AVP-138/ GIDEP	F1, F2, F3	F
Electrical	Amplitude Modulation – Measure Rate: 20 Hz to 10 kHz, Depths: 5 % to 99%	10 MHz to 1.3 GHz	1 % of reading + 1 digit	Modulation Analyzer with Power Sensor	AVP-138/ GIDEP	F1, F2, F3	F
Electrical	Amplitude Modulation – Measure Rate: 20 Hz to 100 kHz, Depths: 5 % to 99 %	10 MHz to 1.3 GHz	3 % of reading + 1 digit	Modulation Analyzer with Power Sensor	AVP-138/ GIDEP	F1, F2, F3	F
Electrical	Frequency Modulation – Measure Rate: 20 Hz to 10 kHz, Dev.: $\leq$ 40 kHz peak	0.25 MHz to 10 MHz	4 % of reading + 1 digit	Modulation Analyzer with Power Sensor	AVP-138/ GIDEP	F1, F2, F3	F
Electrical	Frequency Modulation – Measure Rate: 50 Hz to 100 kHz, Dev.: $\leq$ 400 kHz peak	10 MHz to 1.3 GHz	3 % of reading + 1 digit	Modulation Analyzer with Power Sensor	AVP-138/ GIDEP	F1, F2, F3	F



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Electrical	Frequency Modulation – Measure Rate: 20 Hz to 200 kHz, Dev.: ≤ 400 kHz peak	10 MHz to 1.3 GHz	6 % of reading + 1 digit	Modulation Analyzer with Power Sensor	AVP-138 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Output Level	-6 dBm to 120 dBm	0.007 dB	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Harmonics (VOR/LOC) (@ 108 MHz to 118 MHz)	>30.00 dB	0.007 dB	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Harmonics – Marker Beacon (@ 74 MHz to 76 MHz)	>30.00 dB	0.007 dB	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Harmonics – Glideslope (@ 329 MHz to 335 MHz)	>25.00 dB	0.007 dB	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Broadband Noise (SSB) – (@ 74 MHz to 76 MHz)	> 115 dBc/Hz	0.2 dB	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Broadband Noise (SSB) – (@ 108 MHz to 118 MHz)	> 111 dBc/Hz	0.2 dB	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F



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Electrical	Equipment to Measure - VOR Mode - Frequency	30 Hz to 10 kHz	230 μ Hz	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure - VOR Mode - Distortion (Audio) Preset <0.25 %	30 Hz Ref.	0.005 % of reading	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure - VOR Mode - Distortion (Audio) Preset <0.50 %	9 960 Hz and 1 020 Hz	0.005 % of reading	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure - VOR Mode - Distortion (Audio) Preset <1.00 %	9 960 Hz and 1 020 Hz	0.005 % of reading	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure - VOR Mode - Distortion (Audio) Variable <1.000 %	30 Hz	0.005 % of reading	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure - VOR Mode - Distortion (Audio) Variable <1.500 %	9 960 Hz	0.005 % of reading	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure - VOR Mode - Distortion (Audio) Variable <2.000 %	9 960 Hz and 1 020 Hz	0.005 % of reading	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure - Radial Range	0 ° to 360 °	0.01 % of reading	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Amplitude Modulation - Frequency	1 020 Hz	23 μ Hz	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F



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Electrical	Equipment to Measure Amplitude Modulation - 30 Hz Var - Preset	9 960 Hz	230 μ Hz	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Amplitude Modulation - Aux 30 Hz	30 Hz	23 μ Hz	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Amplitude Modulation - Aux 14 kHz	14 kHz	230 μ Hz	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Total Distortion – Preset <1.00 %	30 Hz	0.005 % of reading	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Total Distortion – Preset <1.00 %	1 020 Hz	0.005 % of reading	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Total Distortion – Preset <1.50 %	9 960 Hz	0.005 % of reading	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Total Distortion – Preset <2.00 %	Aux 30 Hz to 14 kHz	0.005 % of reading	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Total Distortion – Variable <1.50 %	30 Hz	0.005 % of reading	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Total Distortion – Variable <2.00 %	9 960 Hz	0.005 % of reading	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure Total Distortion – Variable <3.00 %	Aux 30 Hz to 14 kHz	0.005 % of reading	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F



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Electrical	Equipment to Measure – Localizer Mode – Distortion (Audio) Preset <0.25 %	90 Hz to 150 Hz	0.005 % of reading	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – Localizer Mode – Distortion (Audio) Preset <0.50 %	1 020 Hz	0.005 % of reading	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – Localizer Mode – Distortion (Audio) Preset <1.00 %	90 Hz to 150 Hz	0.005 % of reading	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – Localizer Mode – Distortion (Audio) Variable <1.00 %	90 Hz to 150 Hz	0.005 % of reading	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – Localizer Mode – Distortion (Audio) Variable <1.50 %	90 Hz to 150 Hz	0.005 % of reading	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – Localizer Mode – Phase	90 Hz to 150 Hz	0.006 °	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – Localizer Mode – Amplitude Modulation Preset 20.00 %	90 Hz to 150 Hz	0.03 % of reading	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F



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Electrical	Equipment to Measure – Localizer Mode – Amplitude Modulation Variable 40.00 %	90 Hz to 150 Hz	0.06 % of reading	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – Localizer Mode – Amplitude Modulation 1020 Hz (ident)	90 Hz to 150 Hz	0.05 % of reading	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – Localizer Mode – Aux Audio	90 Hz to 150 Hz	0.05 % of reading	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – Localizer Mode – Tone Distortion Preset <1.00 %	90 Hz to 150 Hz	0.001 % of reading	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – Localizer Mode – Tone Distortion Variable <1.50 %	90 Hz to 150 Hz	0.001 % of reading	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – Localizer Mode – Tone Distortion 1020 Hz (ident) <1.00 %	90 Hz to 150 Hz	0.001 % of reading	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – Localizer Mode – Tone Distortion Aux Audio	90 Hz to 150 Hz	0.006 % of reading	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – Glideslope Mode - Frequency	30 Hz	7 μ Hz	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F



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Electrical	Equipment to Measure – Glideslope Mode - Frequency	90 Hz	21 μ Hz	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – Glideslope Mode - Frequency	150 Hz	35 μ Hz	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – Glideslope Mode - Frequency	4 kHz	0.001 Hz	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – Glideslope Mode – Distortion (Audio) Preset <0.25 %	90 Hz to 150 Hz	0.006 % of reading	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – Glideslope Mode – Distortion (Audio) Preset <1.00 %	90 Hz to 150 Hz	0.006 % of reading	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – Glideslope Mode – Distortion (Audio) Variable <1.00 %	90 Hz to 150 Hz	0.006 % of reading	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – Glideslope Mode – Distortion (Audio) Variable <1.50 %	90 Hz to 150 Hz	0.006 % of reading	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – Glideslope Mode – Phase	90 Hz to 150 Hz	0.006 °	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F



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Electrical	Equipment to Measure – Glideslope Mode – Amplitude Modulation Preset 40.00 %	90 Hz to 150 Hz	0.06 % of reading	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – Glideslope Mode – Amplitude Modulation Variable 80.00 %	90 Hz to 150 Hz	0.13 % of reading	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – Glideslope Mode – Audio Aux Preset 40.00 %	90 Hz to 150 Hz	0.06 % of reading	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – Glideslope Mode – Audio Aux Variable 80.00 %	90 Hz to 150 Hz	0.13 % of reading	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – Glideslope Mode – Tone Distortion Preset <1.20 %	90 Hz to 150 Hz	0.006 % of reading	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – Glideslope Mode – Tone Distortion Variable <1.20 %	90 Hz to 150 Hz	0.006 % of reading	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – Glideslope Mode – Tone Distortion Aux Audio	90 Hz to 150 Hz	0.006 % of reading	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F



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Electrical	Equipment to Measure – Marker Beacon – Frequency Preset – Outer Marker	400 Hz	93 μ Hz	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – Marker Beacon – Frequency Preset – Middle	1 300 Hz	330 μ Hz	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – Marker Beacon – Frequency Preset - Inner Marker	3 000 Hz	690 μ Hz	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – Marker Beacon – Frequency – Amplitude Modulation – Preset	400 Hz	93 μ Hz	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – Marker Beacon – Frequency – Amplitude Modulation – Preset	1 400 Hz	330 μ Hz	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – Marker Beacon – Frequency – Amplitude Modulation – Preset	3 000 Hz	690 μ Hz	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – Marker Beacon – Frequency – Amplitude Modulation – Variable	400 Hz	93 μ Hz	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F



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Electrical	Equipment to Measure – Marker Beacon – Frequency – Amplitude Modulation – Variable	1 400 Hz	330 μ Hz	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – Marker Beacon – Frequency – Amplitude Modulation – Variable	3 000 Hz	690 μ Hz	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – Marker Beacon – Frequency – Aux Audio – Preset	400 Hz	93 μ Hz	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – Marker Beacon – Frequency – Aux Audio – Preset	1 400 Hz	330 μ Hz	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – Marker Beacon – Frequency – Aux Audio – Preset	3 000 Hz	690 μ Hz	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – Marker Beacon – Frequency – Aux Audio – Variable	400 Hz	93 μ Hz	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – Marker Beacon – Frequency – Aux Audio – Variable	1 400 Hz	330 μ Hz	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F



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Electrical	Equipment to Measure – Marker Beacon – Frequency – Aux Audio – Variable	3 000 Hz	690 μ Hz	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – Marker Beacon – Frequency – Tone Distortion – Preset <5.00 %	90 Hz to 150 Hz	0.006 % of reading	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – VHF Comm - Frequency	30 Hz	69 μ Hz	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – VHF Comm - Frequency	1 020 Hz	240 μ Hz	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – VHF Comm - Frequency	10 kHz	0.002 4 Hz	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – VHF Comm – Amplitude Modulation	30 Hz	69 μ Hz	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – VHF Comm – Amplitude Modulation	1 020 Hz	240 μ Hz	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Electrical	Equipment to Measure – VHF Comm – Amplitude Modulation	10 kHz	0.002 4 Hz	VOR/ILS Signal Generator / Signal Generator	AVP-137 / AVP-138 / AVP-145 / GIDEP	F1, F2, F3	F
Mass, Force, and Weighing Devices	Equipment to Measure Force (Tension/ Compression)	10 lbf to 500 lbf	0.029 % of Reading	Load Cell with Indicator	AVP-112/ GIDEP	F1, F2, F3	F, O



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Mass, Force, and Weighing Devices	Equipment to Measure Force (Tension/Compression)	200 lbf to 2 000 lbf	0.029 % of Reading	Load Cell with Indicator	AVP-112/ GIDEP	F1, F2, F3	F, O
Mass, Force, and Weighing Devices	Equipment to Measure Force (Tension/Compression)	1 000 lbf to 10 000 lbf	0.029 % of Reading	Load Cell with Indicator	AVP-112/ GIDEP	F1, F2, F3	F, O
Mass, Force, and Weighing Devices	Equipment to Measure Force (Tension/Compression)	5 000 lbf to 50 000 lbf	0.029 % of Reading	Load Cell with Indicator	AVP-112/ GIDEP	F1, F2, F3	F, O
Mass, Force, and Weighing Devices	Equipment to Measure Force (Compression)	30 000 lbf to 300 000 lbf	0.17 % of Reading	Load Cell with Indicator	AVP-112/ GIDEP	F1, F2, F3	F, O
Mass, Force, and Weighing Devices	Analytical Balances	1 mg to 120 g	0.06 mg	Stainless Steel Weight Set	AVP-105/ GIDEP	F1, F2, F3	F, O
Mass, Force, and Weighing Devices	Precision Balances	1 mg to 620 g	0.6 mg	Stainless Steel Weight Set	NIST Handbook 44/ GIDEP	F1, F2	F, O
Mass, Force, and Weighing Devices	Precision Balances	1 g to 8 000 g	1.2 mg	Stainless Steel Weight Set	NIST Handbook 44/ GIDEP	F1, F2	F
Mass, Force, and Weighing Devices	Bench Scale/ Balances	0.015 kg to 240 kg	0.21 g	Weight Set	NIST Handbook 44/ GIDEP	F1, F2	F, O
Fluid Quantities	Volume Delivery Instruments (Pipettes)	100 μ L to 1 000 μ L	0.12 % of Reading	Stainless Steel Weight Set Analytical Scale Temperature / Humidity Indicator	ISO 8655-6, ISO/TR 20461	F1, F2	F
Fluid Quantities	Volume Delivery Instruments (Pipettes)	1 mL to 10 mL	0.025 % of Reading	Stainless Steel Weight Set Analytical Scale Temperature / Humidity Indicator	ISO 8655-6, ISO/TR 20461	F1, F2	F



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Fluid Quantities	Volume Delivery Instruments (Pipettes)	10 mL to 100 mL	0.023 % of Reading	Stainless Steel Weight Set Analytical Scale Temperature / Humidity Indicator	ISO 8655-6, ISO/TR 20461	F1, F2	F
Mechanical	Air Flow Meters	10 SCCM to 100 SCCM	0.82 % of Reading	Flow Meter	AVP-110/ GIDEP	F1, F2, F3	F, O
Mechanical	Air Flow Meters	10 SLPM to 1 000 SLPM	0.82% of Reading	Flowmeters	AVP-110/ GIDEP	F1, F2, F3	F, O
Mechanical	Liquid Flow Meters	0.1 GPM to 300 GPM	0.63% of Reading	Flow Computers & Flow Turbines Set	AVP-110/ GIDEP	F1, F2, F3	F, O
Mechanical	Pressure Gauge and Transducer	-30 inHg to 3 inHg	0.07 % of Full Scale	Digital Pressure Gauge DPI104-30G	AVP-102/ GIDEP	F1, F2, F3	F, O
Mechanical	Pressure Gauge and Transducer	1.5 psi to 5 psi	0.066 % of Full Scale	Digital Pressure Gauge M101-GN0005 (Low pressure application)	AVP-102/ GIDEP	F1, F2, F3	F, O
Mechanical	Pressure Gauge and Transducer	0 psi to 30 psi	0.058 % of Full Scale	DPI104-2-30PSI	AVP-102/ GIDEP	F1, F2, F3	F, O
Mechanical	Pressure Gauge and Transducer	0 psi to 100 psi	0.061 % of Full Scale	DPI104-2-100PSI	AVP-102/ GIDEP	F1, F2, F3	F, O
Mechanical	Pressure Gauge and Transducer	0 psi to 300 psi	0.058 % of Full Scale	DPI104-2-300PSI	AVP-102/ GIDEP	F1, F2, F3	F, O
Mechanical	Pressure Gauge and Transducer	0 psi to 1 000 psi	0.062 % of Full Scale	DPI104-2-1000PSI	AVP-102/ GIDEP	F1, F2, F3	F, O
Mechanical	Pressure Gauge and Transducer	0 psi to 5 000 psi	0.059 % of Full Scale	DPI104-2-5000PSI	AVP-102/ GIDEP	F1, F2, F3	F, O
Mechanical	Pressure Gauge and Transducer	0 psi to 10 000 psi	0.061 % of Full Scale	DPI104-2-10000PSI	AVP-102/ GIDEP	F1, F2, F3	F, O
Mechanical	Pressure Gauge and Transducer	0 psi to 20 000 psi	0.058 % of Full Scale	DPI104-2-20000PSI	AVP-102/ GIDEP	F1, F2, F3	F, O



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Mechanical	Air Data Test Set, Pitot Testers	-30 in•Hg to 30 in•Hg	0.007 1 % of Full Scale	Pressure Controller with Aeronautical Option & Control Module Aero w/ Barometric Reference Sensor	AVP-116/ GIDEP	F1, F2, F3	F
Mechanical	Torque Indicators and Transducers	Up to 40 lbf•ft	0.047 % of Full Scale	Torque Wheel 2 in & Weight	AVP-139/ GIDEP	F1, F2, F3	F, O
Mechanical	Torque Indicators and Transducers	Up to 200 lbf•in	0.01 % of Full Scale	Torque Wheel bar 4 in & Weight	AVP-139/ GIDEP	F1, F2, F3	F, O
Mechanical	Torque Indicators and Transducers	Up to 9 600 lbf•in	0.013 % of Full Scale	Torque bar 24 in & Weight	AVP-139/ GIDEP	F1, F2, F3	F, O
Mechanical	Hand Torque Tools	Up to 10 lbf•in	0.016 + 0.47 % of reading	Digital torque tester H105	AVP-104/ GIDEP	F1, F2, F3	F, O
Mechanical	Hand Torque Tools	Up to 200 lbf•in	0.033 + 0.1 % of reading	Torque system TSD 60002/ TSD011	AVP-104/ GIDEP	F1, F2, F3	F, O
Mechanical	Hand Torque Tools	Up to 300 lbf•ft	0.014 + 0.11 % of reading	Torque system TSD6000-2/ TSD321	AVP-104/ GIDEP	F1, F2, F3	F, O
Mechanical	Hand Torque Tools	Up to 800 lbf•ft	0.12 + 0.1 % of reading	Torque Wheel 2 in & Weight	AVP-104/ GIDEP	F1, F2, F3	F, O
Mechanical	Torque Analyzer	Up to 40 lbf•in	0.047 % of Full Scale	Torque Wheel 2 in & Weight	AVP-139/ GIDEP	F1, F2, F3	F, O
Mechanical	Torque Analyzer	Up to 200 lbf•in	0.01 % of Full Scale	Torque Wheel bar 4 in & Weight	AVP-139/ GIDEP	F1, F2, F3	F, O
Mechanical	Torque Analyzer	Up to 9 600 lbf•in	0.013 % of Full Scale	Torque bar 24 in & Weight	AVP-139/ GIDEP	F1, F2, F3	F, O
Mechanical	Indirect Verification of Rockwell Hardness Testers	55 HRB	0.28 HRB	Indirect verification method	ASTM E18	F1, F2	F, O



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Mechanical	Indirect Verification of Rockwell Hardness Testers	80 HRB	0.61 HRB	Indirect verification method	ASTM E18	F1, F2	F, O
Mechanical	Indirect Verification of Rockwell Hardness Testers	95 HRB	0.60 HRB	Indirect verification method	ASTM E18	F1, F2	F, O
Mechanical	Indirect Verification of Rockwell Hardness Testers	25 HRC	0.57 HRC	Indirect verification method	ASTM E18	F1, F2	F, O
Mechanical	Indirect Verification of Rockwell Hardness Testers	55 HRC	0.54 HRC	Indirect verification method	ASTM E18	F1, F2	F, O
Mechanical	Indirect Verification of Rockwell Hardness Testers	63 HRC	0.53 HRC	Indirect verification method	ASTM E18	F1, F2	F, O
Mechanical	Equipment to Measure Vibration (@ 7 Hz to 10 Hz)	2 m/s ² to 10 m/s ²	4.2 % of reading	Vibration Shaker	AVP-143/ GIDEP	F1, F2, F3	F
Mechanical	Equipment to Measure Vibration (@ 10 Hz to 30 Hz)	2 m/s ² to 10 m/s ²	3.2 % of reading	Vibration Shaker	AVP-143/ GIDEP	F1, F2, F3	F
Mechanical	Equipment to Measure Vibration (@ 30 Hz to 2 kHz)	2 m/s ² to 10 m/s ²	1.9 % of reading	Vibration Shaker	AVP-143/ GIDEP	F1, F2, F3	F
Mechanical	Equipment to Output Vibration (@ 2 kHz to 10 kHz)	2 m/s ² to 10 m/s ²	4.2 % of reading	Vibration Shaker	AVP-143/ GIDEP	F1, F2, F3	F
Mechanical	Flow Meter Equipment to Measure Air Velocity	4 m/s to 24 m/s	1.0 % of reading	Hot wire Anemometer	AVP-108/ GIDEP	F1, F2, F3	F



Certificate of Accreditation: Supplement

A.V.C. Laboratory, Inc.

8228 NW 14th Street, Doral, FL 33126

Contact Name: Freddy Vergel Phone: 786-542-8710

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
Thermodynamic	Equipment to Measure Temperature (Non-Contact Thermometer)	-70 °C to 180 °C	0.08 °C	Humidity/Temperature Meter	AVP-108/ GIDEP/ AMS2750	F1, F2, F3	F, O
Thermodynamic	Equipment to Measure Temperature (Contact Thermometer)	-100 °C to 450 °C	0.05 °C	Ultra Precise RTD Sensor, Digital Multimeter	AVP-108/ GIDEP/ AMS2750	F1, F2, F3	F, O
Thermodynamic	Thermometer	-25 °C to 140 °C	0.50 % of reading	Dry-Well Calibrator, Ultra Precise RTD Sensor	AVP-108/ GIDEP/ AMS2750	F1, F2, F3	F, O
Thermodynamic	Oven/Fridge Temperature Mapping	-25 °C to 120 °C	0.16 °C	Data Logger	AVP-108/ GIDEP/ AMS2750	F1, F2, F3	F, O
Thermodynamic	Oven/Fridge Temperature Mapping	120 °C to 250 °C	0.26 °C	Data Logger	AVP-108/ GIDEP/ AMS2750	F1, F2, F3	F, O
Thermodynamic	Equipment to Measure Humidity	5 % RH to 100 % RH	0.6 % RH	Humidity/Temperature Meter	AVP-108/ GIDEP/ AMS2750	F1, F2, F3	F, O
Thermodynamic	IR Thermometer & Thermal Video Devices	50 °C to 500 °C	0.5 % of reading	Infrared / Blackbody Calibrator	AVP-108/ GIDEP	F1, F2, F3	F, O
Time and Frequency	Stopwatch/Timer (Direct Comparison Method)	Up to 24 h	0.000 6 % of Reading	Universal Counter	AVP-129/ NIST SP 960	F1, F2, F3	F, O
Time and Frequency	Stopwatch/Timer (Totalize Method)	Up to 24 h	0.000 04 % of Reading	Universal Counter	AVP-129/ NIST SP 960	F1, F2, F3	F, O
Time and Frequency	Equipment to Measure RPM (Non-Contact Optical)	60 rpm to 600 rpm	0.000 06 rpm	Multifunction Calibrator	AVP-129/ GIDEP	F1, F2, F3	F



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Time and Frequency	Equipment to Measure RPM (Non-Contact Optical)	600 rpm to 6 000 rpm	0.000 5 rpm	Multifunction Calibrator	AVP-129/ GIDEP	F1, F2, F3	F
Time and Frequency	Equipment to Measure RPM (Non-Contact Optical)	6 000 rpm to 60 000 rpm	0.007 rpm	Multifunction Calibrator	AVP-129/ GIDEP	F1, F2, F3	F
Time and Frequency	Equipment to Measure RPM (Non-Contact Optical)	60 000 rpm to 600 000 rpm	0.072 rpm	Multifunction Calibrator	AVP-129/ GIDEP	F1, F2, F3	F
Time and Frequency	Equipment to Output RPM (Optical / Contact)	6 rpm to 99 999 rpm	0.48 rpm + 0.004 % of Reading	Universal Counter	AVP-129/ GIDEP	F1, F2, F3	F
Time and Frequency	Equipment to Output Edge Rise Time	< 300 ps	24 ps	Digital Oscilloscope	AVP-136/ GIDEP	F1, F2, F3	F
Time and Frequency	Oscilloscope Time Marker Measure Into 50 Ω	1 ns to 20 ms	5 μ s/s	Multifunction Calibrator	AVP-136/ GIDEP	F1, F2, F3	F
Time and Frequency	Oscilloscope Rise Time	$\leq$ 300 ps	ps 25 ps	Multifunction Calibrator	AVP-136/ GIDEP	F1, F2, F3	F
Optical	Equipment to Source and Measure Irradiance	1 μ W/cm ² to 100 mW/cm ²	3 % of reading	Radiometer and sensors	AVP-144 / ASTM E2297	F1, F2, F3	F, O
Optical	Equipment to Source and Measure Illuminance	Up to 500 fc	3 % of reading	Radiometer and sensors	AVP-144 / ASTM E2297	F1, F2, F3	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.