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:	*Issue Date:*	*Expiration Date:*
August 11, 2016	February 09, 2025	Febraury 28, 2027

Accreditation No.:	*Certificate No.:*
83028	L25-103

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)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	LOCATION OF ACTIVITY
Acoustical	Sound Level – Measure (Meters)	94 dB 114 dB	0.32 dB 0.32 dB	Sound Level Calibrator	AVP-137/GIDEP	FO
Chemical	pH Meters	4 pH	0.011 pH	pH Buffer Solution (Certified Reference Material)	AVP-140/GIDEP	FO
Chemical	pH Meters	7 pH	0.011 pH	pH Buffer Solution (Certified Reference Material)	AVP-140/GIDEP	FO
Chemical	pH Meters	10 pH	0.011 pH	pH Buffer Solution (Certified Reference Material)	AVP-140/GIDEP	FO
Chemical	Conductivity Meters	0.74 µS/cm	0.62 µS/cm	Conductivity Solution (Certified Reference Material)	AVP-141/GIDEP	FO
Chemical	Conductivity Meters	9 µS/cm	0.62 µS/cm	Conductivity Solution (Certified Reference Material)	AVP-141/GIDEP	FO
Chemical	Conductivity Meters	99 µS/cm	2.1 µS/cm	Conductivity Solution (Certified Reference Material)	AVP-141/GIDEP	FO
Dimensional	Calipers	Up to 24 in (Resolution: Up)	(145 + 6L) µin	Gage Blocks, Long Blocks	AVP-100/GIDEP	FO
Dimensional	Calipers	Up to 24 in (Resolution: 0.000 5 in)	(72 + 3L) µin	Gage Blocks, Long Blocks	AVP-100/GIDEP	FO
Dimensional	Micrometers	Up to 18 in (Resolution: Up)	(145 + 6L) µin	Gage Blocks, Long Blocks, Optical Flat	AVP-100/GIDEP	FO
Dimensional	Micrometers	Up to 12 in (Resolution: 0.000 1 in)	(15 + 3L) µin	Gage Blocks, Long Blocks, Optical Flat	AVP-100/GIDEP	FO
Dimensional	Micrometers	Up to 4 in (Resolution: 0.000 05 in)	(8 + 1.5L) µin	Gage Blocks, Long Blocks, Optical Flat	AVP-100/GIDEP	FO
Dimensional	Micrometers	Up to 4 in (Resolution: 0.000 001in)	(2 + 0.5L) µin	Gage Blocks, Long Blocks, Optical Flat	AVP-100/GIDEP	FO
Dimensional	Height Gages	Up to 24 in (Resolution: Up)	(145 + 6L) µin	Gage Blocks, Long Blocks	AVP-113/GIDEP	FO
Dimensional	Height Gages	Up to 24 in (Resolution: 0.000 5 in)	(72 + 3L) µin	Gage Blocks, Long Blocks	AVP-113/GIDEP	FO

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)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	LOCATION OF ACTIVITY
Dimensional	Height Gages	Up to 24 in (Resolution: 0.000 1 in)	(15 + 3L) µin	Gage Blocks, Long Blocks	AVP-113/GIDEP	FO
Dimensional	Height Gages	Up to 24 in (Resolution: 0.000 05 in)	(8 + 1.5L) µin	Gage Blocks, Long Blocks	AVP-113/GIDEP	FO
Dimensional	Depth Gages	Up to 12 in (Resolution: Up)	(145 + 6L) µin	Gage Blocks, Long Blocks	AVP-113/GIDEP	FO
Dimensional	Depth Gages	Up to 12 in (Resolution: 0.000 5 in)	(72 + 3L) µin	Gage Blocks, Long Blocks	AVP-113/GIDEP	FO
Dimensional	Depth Gages	Up to 12 in (Resolution: 0.000 05 in)	(8 + 1.5L) µin	Gage Blocks, Long Blocks	AVP-113/GIDEP	FO
Dimensional	Tool Maker Microscope – Linearity	Up to 2 in	(160 + 6L) µin	Master Glass Scales	AVP-114/GIDEP	FO
Dimensional	Dial/Digital Indicators	Up to 2 in (Resolution: 0.001 in)	(145 + 6L) µin	Gage Blocks	AVP-101/GIDEP	FO
Dimensional	Dial/Digital Indicators	Up to 1 in (Resolution: 0.000 1 in)	(15 + 3L) µin	Gage Blocks	AVP-101/GIDEP	FO
Dimensional	Dial/Digital Indicators	Up to 2 in (Resolution: 0.000 5 in)	(32 + 3L) µin	Gage Blocks	AVP-101/GIDEP	FO
Dimensional	Dial/Digital Indicators	Up to 0.5 in (Resolution: 0.000 05 in)	(8 + 1.5L) µin	Gage Blocks	AVP-101/GIDEP	FO
Dimensional	Dial/Digital Indicators	0.000 01 in to 0.2 in (Resolutions: 0.000 01 in)	(2 + 0.5L) µin	Gage Blocks	AVP-101/GIDEP	FO
Dimensional	Test Indicators	up to 0.13 in (Resolutions: 0.000 01 in)	(2 + 0.5L) µin	Gage Blocks	AVP-101/GIDEP	FO
Dimensional	End Rods	Up to 1 in	(9 + 1.5L) µin	Starrett Multi-Axis w/Precision probe, Gage Blocks	AVP-103/GIDEP	FO
Dimensional	End Rods	Up to 4 in	(15 + 3L) µin	Starrett Multi-Axis w/Precision probe, Gage Blocks	AVP-103/GIDEP	FO
Dimensional	End Rods	Up to 8 in	(23 + 6L) µin	Starrett Multi-Axis w/Precision probe, Gage Blocks	AVP-103/GIDEP	FO

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)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	LOCATION OF ACTIVITY
Dimensional	End Rods	Up to 11 in	(30 + 6L) µin	Starrett Multi-Axis w/Precision probe, Gage Blocks	AVP-103/GIDEP	FO
Dimensional	End Rods	Up to 18 in	(38 + 6L) µin	Starrett Multi-Axis w/Precision probe, Gage Blocks	AVP-103/GIDEP	FO
Dimensional	End Rods	Up to 24 in	(45 + 6L) µin	Starrett Multi-Axis w/Precision probe, Gage Blocks	AVP-103/GIDEP	FO
Dimensional	Surface Plate (Flatness)	Up to 48 in diagonal	18 µin	Planekator w/indicator	AVP-106/GIDEP	FO
Dimensional	Surface Plate (Repeatability)	Up to 72 in diagonal	65 µin	Repeat-o-meter, Starrett Multi-Axis	AVP-106/GIDEP	FO
Dimensional	Surface Roughness Tester – Ra	Up to 500 µin	1.0 µin	Roughness Specimen	AVP-106/GIDEP	FO
Dimensional	Pin Gages	Up to 1.000 in	20 µin	Z-Mike Laser Micrometer	AVP-107/GIDEP	FO
Dimensional	Steel Ruler & Master Scales	Up to 36 in (Resolution: Up)	(145 + 6L) µin	Gage Blocks, Long Blocks	AVP-125/GIDEP	FO
Dimensional	Steel Ruler & Master Scales	Up to 2 in (Resolution: 0.000 1 in)	(160 + 6L) µin	Gage Blocks, Long Blocks	AVP-125/GIDEP	FO
Dimensional	Bore Measurement Devices	Up to 4 in (Resolution: 0.000 1 in)	(15 + 3L) µin	Gage Blocks Set Ring Gages Set	AVP-101/GIDEP	FO
Dimensional	Bore Measurement Devices	Up to 4 in (Resolution: 0.000 5 in)	(72 + 3L) µin	Gage Blocks Set Ring Gages Set	AVP-101/GIDEP	FO
Dimensional	Optical Comparator (Linearity)	Up to 12 in	(350 + 6L) µin	Gage Blocks Set, Long Blocks, Angle Gage Blocks	AVP-114/GIDEP	FO
Dimensional	Optical Comparator (Angular)	Up to 360 °	5 arc sec	Gage Blocks Set, Long Blocks, Angle Gage Blocks	AVP-114/GIDEP	FO
Dimensional	Crimp Tools	Up to 0.5 in	0.000 07 in	Go/No Go Pin Set	AVP-107/GIDEP	FO
Dimensional	Almen Gages	Up to 0.5 in (Resolutions: 0.000 1 in)	(15 + 3L) µin	Gage Blocks	AVP-135/GIDEP	FO
Dimensional	Almen Gages	Up to 0.5 in (Resolutions: 0.000 05 in)	(8 + 1.5L) µin	Gage Blocks	AVP-135/GIDEP	FO

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)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	LOCATION OF ACTIVITY
Electrical	Equipment to Measure DC Voltage	0.6 mV to 100 mV	2.6 µV/V + 3 µV	Multifunction Calibrator	AVP-124/GIDEP	F
Electrical	Equipment to Measure DC Voltage	100 mV to 1 V	3.1 µV/V + 1.4 µV	Multifunction Calibrator	AVP-124/GIDEP	F
Electrical	Equipment to Measure DC Voltage	1 V to 10 V	1.6 µV/V + 13 µV	Multifunction Calibrator	AVP-124/GIDEP	F
Electrical	Equipment to Measure DC Voltage	10 V to 100 V	12 µV/V + 1.9 mV	Multifunction Calibrator	AVP-124/GIDEP	F
Electrical	Equipment to Measure DC Voltage	100 V to 1 000 V	11 µV/V + 2.4 mV	Multifunction Calibrator	AVP-124/GIDEP	F
Electrical	Equipment to Output DC Voltage	0.6 mV to 330 mV	4 µV/V + 1 µV	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output DC Voltage	330 mV to 3.3 V	3 µV/V + 2 µV	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output DC Voltage	3.3 V to 33 V	3 µV/V + 20 µV	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output DC Voltage	33 V to 330 V	3 µV/V + 150 µV	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output DC Voltage	330 V to 1 000 V	3 µV/V + 1.5 mV	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output DC Current	0.1 mA to 3.29 mA	10 µA/A + 0.1 µA	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output DC Current	3.3 mA to 32.9 mA	10 µA/A + 0.2 µA	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output DC Current	33 mA to 329.9 mA	20 µA/A + 2.5 µA	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output DC Current	330 mA to 1.09 A	20 µA/A + 40 µA	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output DC Current	1.1 A to 2.9 A	65 µA/A + 40 µA	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output DC Current	3 A to 10.9 A	60 µA/A + 500 µA	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output DC Current	11 A to 20.5 A	90 µA/A + 750 µA	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Measure DC Current	0.1 mA to 1 mA	0.04 % + 0.2 µA	Multifunction Calibrator	AVP-124/GIDEP	F
Electrical	Equipment to Measure DC Current	1 mA to 10 mA	0.06 % + 2.9 µA	Multifunction Calibrator	AVP-124/GIDEP	F
Electrical	Equipment to Measure DC Current	10 mA to 100 mA	0.04 % + 20 µA	Multifunction Calibrator	AVP-124/GIDEP	F
Electrical	Equipment to Measure DC Current	100 mA to 400 mA	0.05 % + 0.1 mA	Multifunction Calibrator	AVP-124/GIDEP	F
Electrical	Equipment to Measure DC Current	400 mA to 1 A	0.07 % + 0.3 mA	Multifunction Calibrator	AVP-124/GIDEP	F
Electrical	Equipment to Measure DC Current	1 A to 3 A	0.08 % + 1.2 mA	Multifunction Calibrator	AVP-124/GIDEP	F
Electrical	Equipment to Measure DC Current	3 A to 10 A	0.15 % + 7.4 mA	Multifunction Calibrator	AVP-124/GIDEP	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)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	LOCATION OF ACTIVITY
Electrical	Equipment to Output Resistance	0.1 Ω to 10.9 Ω	10 μΩ/Ω + 5 mΩ	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output Resistance	11 Ω to 32.9 Ω	6 μΩ/Ω + 5 mΩ	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output Resistance	33 Ω to 109.9 Ω	5 μΩ/Ω + 5 mΩ	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output Resistance	110 Ω to 329.9 Ω	5 μΩ/Ω + 5 mΩ	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output Resistance	330 Ω to 1.09 kΩ	5 μΩ/Ω + 5 mΩ	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output Resistance	1.1 kΩ to 3.29 kΩ	8 μΩ/Ω + 5 mΩ	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output Resistance	3.3 kΩ to 10.9 kΩ	8 μΩ/Ω + 5 mΩ	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output Resistance	11 kΩ to 32.9 kΩ	8 μΩ/Ω + 5 mΩ	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output Resistance	33 kΩ to 109.9 kΩ	8 μΩ/Ω + 5 mΩ	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output Resistance	110 kΩ to 329.9 kΩ	8 μΩ/Ω + 5 mΩ	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output Resistance	330 kΩ to 1.09 MΩ	6 μΩ/Ω + 5 mΩ	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output Resistance	1.1 MΩ to 3.29 MΩ	12 μΩ/Ω + 5 mΩ	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output Resistance	3.3 MΩ to 10.9 MΩ	18 μΩ/Ω + 5 mΩ	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output Resistance	11 MΩ to 32.9 MΩ	70 μΩ/Ω + 5 mΩ	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output Resistance	33 MΩ to 109.9 MΩ	85 μΩ/Ω + 5 mΩ	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output Resistance	110 MΩ to 329.9 MΩ	280 μΩ/Ω + 5 mΩ	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output Resistance	330 MΩ to 1 100 MΩ	1 100 μΩ/Ω + 5 mΩ	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Measure Resistance	0.1 Ω to 10 Ω	60 μΩ/Ω + 2.3 mΩ	Multifunction Calibrator	AVP-127/GIDEP	F
Electrical	Equipment to Measure Resistance	10 Ω to 100 Ω	30 μΩ/Ω + 6.9 mΩ	Multifunction Calibrator	AVP-127/GIDEP	F
Electrical	Equipment to Measure Resistance	100 Ω to 1 kΩ	13 μΩ/Ω + 0.052 Ω	Multifunction Calibrator	AVP-127/GIDEP	F
Electrical	Equipment to Measure Resistance	1 kΩ to 10 kΩ	14 μΩ/Ω + 0.52 Ω	Multifunction Calibrator	AVP-127/GIDEP	F
Electrical	Equipment to Measure Resistance	10 kΩ to 100 kΩ	14 μΩ/Ω + 5.2 Ω	Multifunction Calibrator	AVP-127/GIDEP	F
Electrical	Equipment to Measure Resistance	100 kΩ to 1 MΩ	12 μΩ/Ω + 52 Ω	Multifunction Calibrator	AVP-127/GIDEP	F
Electrical	Equipment to Measure Resistance	1 MΩ to 10 MΩ	16 μΩ/Ω + 1.2 kΩ	Multifunction Calibrator	AVP-127/GIDEP	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)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	LOCATION OF ACTIVITY
Electrical	Equipment to Measure Resistance	10 MΩ to 100 MΩ	43 µΩ/Ω + 47 kΩ	Multifunction Calibrator	AVP-127/GIDEP	F
Electrical	Equipment to Measure Resistance	100 MΩ to 1 GΩ	560 µΩ/Ω + 8.7 MΩ	Multifunction Calibrator	AVP-127/GIDEP	F
Electrical	Equipment to Output Capacitance	0.19 nF to 0.39 nF	5 mF/F + 0.01 nF	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Output Capacitance	0.4 nF to 1.09 nF	2 mF/F + 0.01 nF	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Output Capacitance	1.1 nF to 3.29 nF	1 mF/F + 0.01 nF	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Output Capacitance	3.3 nF to 10.9 nF	1 mF/F + 0.01 nF	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Output Capacitance	11 nF to 32.9 nF	1 mF/F + 0.1 nF	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Output Capacitance	33 nF to 109.9 nF	1 mF/F + 0.1 nF	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Output Capacitance	110 nF to 329.9 nF	1 mF/F + 0.3 nF	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Output Capacitance	0.33 µF to 1.09 µF	1 mF/F + 1 nF	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Output Capacitance	1.1 µF to 3.29 µF	1 mF/F + 3 nF	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Output Capacitance	3.3 µF to 10.9 µF	1 mF/F + 10 nF	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Output Capacitance	11 µF to 32.9 µF	1 mF/F + 30 nF	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Output Capacitance	33 µF to 109.9 µF	1 mF/F + 100 nF	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Output Capacitance	110 µF to 329.9 µF	1 mF/F + 300 nF	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Output Capacitance	0.33 µF to 1.09 mF	1 mF/F + 1 µF	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Output Capacitance	1.1 mF to 3.29 mF	1 mF/F + 3 µF	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Output Capacitance	3.3 mF to 10.9 mF	1 mF/F + 10 µF	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Output Capacitance	11 mF to 32.9 mF	1 mF/F + 30 µF	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Output Capacitance	33 mF to 110 mF	1 mF/F + 100 µF	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Measure Capacitance	0.1 nF to 1 nF	1.2 % + 26 pF	Multifunction Calibrator	AVP-127/GIDEP	F
Electrical	Equipment to Measure Capacitance	1 nF to 10 nF	0.3 % + 120 pF	Multifunction Calibrator	AVP-127/GIDEP	F
Electrical	Equipment to Measure Capacitance	10 nF to 100 nF	0.2 % + 1.2 nF	Multifunction Calibrator	AVP-127/GIDEP	F
Electrical	Equipment to Measure Capacitance	100 nF to 1 µF	0.2 % + 12 nF	Multifunction Calibrator	AVP-127/GIDEP	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)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	LOCATION OF ACTIVITY
Electrical	Equipment to Measure Capacitance	1 µF to 10 µF	0.2 % + 120 nF	Multifunction Calibrator	AVP-127/GIDEP	F
Electrical	Equipment to Measure Capacitance	10 µF to 100 µF	0.4 % + 1.2 µF	Multifunction Calibrator	AVP-127/GIDEP	F
Electrical	Equipment to Measure Capacitance	100 µF to 1 mF	0.4 % + 12 µF	Multifunction Calibrator	AVP-127/GIDEP	F
Electrical	Equipment to Measure Capacitance	1 mF to 10 mF	0.4 % + 120 µF	Multifunction Calibrator	AVP-127/GIDEP	F
Electrical	Equipment to Measure Capacitance	10 mF to 100 mF	1.0 % + 2.4 mF	Multifunction Calibrator	AVP-127/GIDEP	F
Electrical	Equipment to Measure AC Voltage (@ 3 Hz to 5 Hz)	0.1 mV to 100 mV	35 µV/V + 0.05 mV	Multifunction Calibrator	AVP-127/GIDEP	F
Electrical	Equipment to Measure AC Voltage (@ 5 Hz to 10 Hz)	0.1 mV to 100 mV	35 µV/V + 0.05 mV	Multifunction Calibrator	AVP-127/GIDEP	F
Electrical	Equipment to Measure AC Voltage (@ 10 Hz to 20 kHz)	0.1 mV to 100 mV	4.5 µV/V + 0.05 mV	Multifunction Calibrator	AVP-127/GIDEP	F
Electrical	Equipment to Measure AC Voltage (@ 20 kHz to 50 kHz)	0.1 mV to 100 mV	5.8 µV/V + 0.09 mV	Multifunction Calibrator	AVP-127/GIDEP	F
Electrical	Equipment to Measure AC Voltage (@ 50 kHz to 100 kHz)	0.1 mV to 100 mV	10 µV/V + 0.4 mV	Multifunction Calibrator	AVP-127/GIDEP	F
Electrical	Equipment to Measure AC Voltage (@ 100 kHz to 300 kHz)	0.1 mV to 100 mV	30 µV/V + 2.6 mV	Multifunction Calibrator	AVP-127/GIDEP	F
Electrical	Equipment to Output AC Voltage (@ 10 Hz to 45 Hz)	1 mV to 32.9 mV	100 µV/V + 6 µV	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Output AC Voltage (@ 45 Hz to 10 kHz)	1 mV to 32.9 mV	100 µV/V + 6 µV	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Output AC Voltage (@ 10 kHz to 20 kHz)	1 mV to 32.9 mV	100 µV/V + 6 µV	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Output AC Voltage (@ 20 kHz to 50 kHz)	1 mV to 32.9 mV	200 µV/V + 6 µV	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Output AC Voltage (@ 50 kHz to 100 kHz)	1 mV to 32.9 mV	300 µV/V + 12 µV	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Output AC Voltage (@ 100 kHz to 500 kHz)	1 mV to 32.9 mV	800 µV/V + 50 µV	Digital Multimeter	AVP-127/GIDEP	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)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	LOCATION OF ACTIVITY
Electrical	Equipment to Measure AC Voltage (@ 3 Hz to 5 Hz)	100 mV to 1 V	0.29 % + 0.5 mV	Multifunction Calibrator	AVP-127/GIDEP	F
Electrical	Equipment to Measure AC Voltage (@ 5 Hz to 10 Hz)	100 mV to 1 V	0.29 % + 0.5 mV	Multifunction Calibrator	AVP-127/GIDEP	F
Electrical	Equipment to Measure AC Voltage (@ 10 Hz to 20 kHz)	100 mV to 1 V	0.03 % + 0.5 mV	Multifunction Calibrator	AVP-127/GIDEP	F
Electrical	Equipment to Measure AC Voltage (@ 20 kHz to 50 kHz)	100 mV to 1 V	0.04 % + 1.0 mV	Multifunction Calibrator	AVP-127/GIDEP	F
Electrical	Equipment to Measure AC Voltage (@ 50 kHz to 100 kHz)	100 mV to 1 V	0.09 % + 4.0 mV	Multifunction Calibrator	AVP-127/GIDEP	F
Electrical	Equipment to Measure AC Voltage (@ 100 kHz to 300 kHz)	100 mV to 1 V	0.69 % + 2.6 mV	Multifunction Calibrator	AVP-127/GIDEP	F
Electrical	Equipment to Output AC Voltage (@ 10 Hz to 45 Hz)	33 mV to 329.9 mV	30 µV/V + 8 µV	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Output AC Voltage (@ 45 Hz to 10 kHz)	33 mV to 329.9 mV	30 µV/V + 8 µV	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Output AC Voltage (@ 10 kHz to 20 kHz)	33 mV to 329.9 mV	30 µV/V + 8 µV	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Output AC Voltage (@ 20 kHz to 50 kHz)	33 mV to 329.9 mV	50 µV/V + 8 µV	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Output AC Voltage (@ 50 kHz to 100 kHz)	33 mV to 329.9 mV	80 µV/V + 32 µV	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Output AC Voltage (@ 100 kHz to 500 kHz)	33 mV to 329.9 mV	240 µV/V + 70 µV	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Measure AC Voltage (@ 3 Hz to 5 Hz)	1 V to 10 V	0.01 % + 0.5 mV	Multifunction Calibrator	AVP-127/GIDEP	F
Electrical	Equipment to Measure AC Voltage (@ 5 Hz to 10 Hz)	1 V to 10 V	0.01 % + 0.5 mV	Multifunction Calibrator	AVP-127/GIDEP	F
Electrical	Equipment to Measure AC Voltage (@ 10 Hz to 20 kHz)	1 V to 10 V	0.004 % + 0.5 mV	Multifunction Calibrator	AVP-127/GIDEP	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)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	LOCATION OF ACTIVITY
Electrical	Equipment to Measure AC Voltage (@ 20 kHz to 50 kHz)	1 V to 10 V	0.009 % + 1.0 mV	Multifunction Calibrator	AVP-127/GIDEP	F
Electrical	Equipment to Measure AC Voltage (@ 50 kHz to 100 kHz)	1 V to 10 V	0.03 % + 4.0 mV	Multifunction Calibrator	AVP-127/GIDEP	F
Electrical	Equipment to Measure AC Voltage (@ 100 kHz to 300 kHz)	1 V to 10 V	0.04 % + 9.0 mV	Multifunction Calibrator	AVP-127/GIDEP	F
Electrical	Equipment to Output AC Voltage (@ 10 Hz to 45 Hz)	0.33 V to 3.29 V	30 µV/V + 50 µV	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Output AC Voltage (@ 45 Hz to 10 kHz)	0.33 V to 3.29 V	30 µV/V + 60 µV	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Output AC Voltage (@ 10 kHz to 20 kHz)	0.33 V to 3.29 V	30 µV/V + 60 µV	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Output AC Voltage (@ 20 kHz to 50 kHz)	0.33 V to 3.29 V	40 µV/V + 50 µV	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Output AC Voltage (@ 50 kHz to 100 kHz)	0.33 V to 3.29 V	60 µV/V + 125 µV	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Output AC Voltage (@ 100 kHz to 500 kHz)	0.33 V to 3.29 V	300 µV/V + 600 µV	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Measure AC Voltage (@ 3 Hz to 5 Hz)	10 V to 100 V	0.11 % + 0.05 mV	Multifunction Calibrator	AVP-127/GIDEP	F
Electrical	Equipment to Measure AC Voltage (@ 5 Hz to 10 Hz)	10 V to 100 V	0.11 % + 0.05 mV	Multifunction Calibrator	AVP-127/GIDEP	F
Electrical	Equipment to Measure AC Voltage (@ 10 Hz to 20 kHz)	10 V to 100 V	0.03 % + 0.05 mV	Multifunction Calibrator	AVP-127/GIDEP	F
Electrical	Equipment to Measure AC Voltage (@ 20 kHz to 50 kHz)	10 V to 100 V	0.1 % + 0.1 mV	Multifunction Calibrator	AVP-127/GIDEP	F
Electrical	Equipment to Measure AC Voltage (@ 50 kHz to 100 kHz)	10 V to 100 V	0.3 % + 0.2 mV	Multifunction Calibrator	AVP-127/GIDEP	F
Electrical	Equipment to Measure AC Voltage (@ 100 kHz to 300 kHz)	10 V to 100 V	2.5 % + 0.4 mV	Multifunction Calibrator	AVP-127/GIDEP	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)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	LOCATION OF ACTIVITY
Electrical	Equipment to Output AC Voltage (@ 10 Hz to 45 Hz)	3.3 V to 32.9 V	30 µV/V + 650 µV	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Output AC Voltage (@ 45 Hz to 10 kHz)	3.3 V to 32.9 V	30 µV/V + 600 µV	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Output AC Voltage (@ 10 kHz to 20 kHz)	3.3 V to 32.9 V	30 µV/V + 600 µV	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Output AC Voltage (@ 20 kHz to 50 kHz)	3.3 V to 32.9 V	45 µV/V + 600 µV	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Output AC Voltage (@ 50 kHz to 100 kHz)	3.3 V to 32.9 V	75 µV/V + 1 600 µV	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Output AC Voltage (@ 45 Hz to 1 kHz)	33 V to 329.9 V	40 µV/V + 2 mV	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Output AC Voltage (@ 1 kHz to 10 kHz)	33 V to 329.9 V	40 µV/V + 6 mV	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Output AC Voltage (@ 10 kHz to 20 kHz)	33 V to 329.9 V	40 µV/V + 6 mV	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Output AC Voltage (@ 20 kHz to 50 kHz)	33 V to 329.9 V	100 µV/V + 6 mV	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Output AC Voltage (@ 50 kHz to 100 kHz)	33 V to 329.9 V	2 000 µV/V + 50 000 µV	Digital Multimeter	AVP-127/GIDEP	F
Electrical	Equipment to Measure AC Voltage (@ 3 Hz to 5 Hz)	100 V to 1 000 V	0.11 % + 0.3 mV	Multifunction Calibrator	AVP-127/GIDEP	F
Electrical	Equipment to Measure AC Voltage (@ 5 Hz to 10 Hz)	100 V to 1 000 V	0.11 % + 0.3 mV	Multifunction Calibrator	AVP-127/GIDEP	F
Electrical	Equipment to Measure AC Voltage (@ 10 Hz to 20 kHz)	100 V to 1 000 V	0.07 % + 0.3 mV	Multifunction Calibrator	AVP-127/GIDEP	F
Electrical	Equipment to Measure AC Voltage (@ 20 kHz to 50 kHz)	100 V to 1 000 V	0.04 % + 0.3 mV	Multifunction Calibrator	AVP-127/GIDEP	F
Electrical	Equipment to Measure AC Voltage (@ 50 kHz to 100 kHz)	100 V to 1 000 V	0.4 % + 0.5 mV	Multifunction Calibrator	AVP-127/GIDEP	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)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	LOCATION OF ACTIVITY
Electrical	Equipment to Measure AC Voltage (@ 100 kHz to 300 kHz)	100 V to 1 000 V	0.4 % + 0.5 mV	Multifunction Calibrator	AVP-127/GIDEP	F
Electrical	Equipment to Output AC Voltage (@ 45 Hz to 1 kHz)	330 V to 1 020 V	35 µV/V + 10 mV	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output AC Voltage (@ 1 kHz to 5 kHz)	330 V to 1 020 V	35 µV/V + 10 mV	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output AC Voltage (@ 5 kHz to 10 kHz)	330 V to 1 020 V	35 µV/V + 10 mV	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Measure AC Current (@ 3 Hz to 5 Hz)	0.1 mA to 1 mA	0.03 % + 0.8 µA	Multifunction Calibrator	AVP-124/GIDEP	F
Electrical	Equipment to Measure AC Current (@ 5 Hz to 10 Hz)	0.1 mA to 1 mA	0.03 % + 0.8 µA	Multifunction Calibrator	AVP-124/GIDEP	F
Electrical	Equipment to Measure AC Current (@ 10 Hz to 5 kHz)	0.1 mA to 1 mA	0.008 % + 0.8 µA	Multifunction Calibrator	AVP-124/GIDEP	F
Electrical	Equipment to Measure AC Current (@ 5 kHz to 10 kHz)	0.1 mA to 1 mA	0.02 % + 2.6 µA	Multifunction Calibrator	AVP-124/GIDEP	F
Electrical	Equipment to Output AC Current (@ 10 Hz to 20 Hz)	0.029 mA to 0.329 mA	300 µA/A + 0.1 µA	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output AC Current (@ 20 Hz to 45 Hz)	0.029 mA to 0.329 mA	200 µA/A + 0.1 µA	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output AC Current (@ 45 Hz to 1 kHz)	0.029 mA to 0.329 mA	150 µA/A + 0.1 µA	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output AC Current (@ 1 kHz to 5 kHz)	0.029 mA to 0.329 mA	300 µA/A + 0.2 µA	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output AC Current (@ 5 kHz to 10 kHz)	0.029 mA to 0.329 mA	450 µA/A + 0.2 µA	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Measure AC Current (@ 3 Hz to 5 Hz)	1 mA to 10 mA	0.03 % + 8 µA	Multifunction Calibrator	AVP-124/GIDEP	F
Electrical	Equipment to Measure AC Current (@ 5 Hz to 10 Hz)	1 mA to 10 mA	0.03 % + 8 µA	Multifunction Calibrator	AVP-124/GIDEP	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)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	LOCATION OF ACTIVITY
Electrical	Equipment to Measure AC Current (@ 10 Hz to 5 kHz)	1 mA to 10 mA	0.01 % + 8 µA	Multifunction Calibrator	AVP-124/GIDEP	F
Electrical	Equipment to Measure AC Current (@ 5 kHz to 10 kHz)	1 mA to 10 mA	0.01 % + 26 µA	Multifunction Calibrator	AVP-124/GIDEP	F
Electrical	Equipment to Output AC Current (@ 10 Hz to 20 Hz)	0.33 mA to 3.29 mA	250 µA/A + 0.2 µA	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output AC Current (@ 20 Hz to 45 Hz)	0.33 mA to 3.29 mA	200 µA/A + 0.2 µA	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output AC Current (@ 45 Hz to 1 kHz)	0.33 mA to 3.29 mA	150 µA/A + 0.2 µA	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output AC Current (@ 1 kHz to 5 kHz)	0.33 mA to 3.29 mA	150 µA/A + 0.2 µA	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output AC Current (@ 5 kHz to 10 kHz)	0.33 mA to 3.29 mA	900 µA/A + 0.3 µA	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output AC Current (@ 10 kHz to 30 kHz)	0.33 mA to 3.29 mA	900 µA/A + 0.6 µA	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Measure AC Current (@ 3 Hz to 5 Hz)	10 mA to 100 mA	0.03 % + 81 µA	Multifunction Calibrator	AVP-124/GIDEP	F
Electrical	Equipment to Measure AC Current (@ 5 Hz to 10 Hz)	10 mA to 100 mA	0.03 % + 81 µA	Multifunction Calibrator	AVP-124/GIDEP	F
Electrical	Equipment to Measure AC Current (@ 10 Hz to 5 kHz)	10 mA to 100 mA	0.01 % + 81 µA	Multifunction Calibrator	AVP-124/GIDEP	F
Electrical	Equipment to Measure AC Current (@ 5 kHz to 10 kHz)	10 mA to 100 mA	0.03 % + 0.26 mA	Multifunction Calibrator	AVP-124/GIDEP	F
Electrical	Equipment to Output AC Current (@ 10 Hz to 20 Hz)	3.3 mA to 32.9 mA	150 µA/A + 3 µA	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output AC Current (@ 20 Hz to 45 Hz)	3.3 mA to 32.9 mA	150 µA/A + 2 µA	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output AC Current (@ 45 Hz to 1 kHz)	3.3 mA to 32.9 mA	150 µA/A + 2 µA	Digital Multimeter	AVP-124/GIDEP	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)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	LOCATION OF ACTIVITY
Electrical	Equipment to Output AC Current (@ 1 kHz to 5 kHz)	3.3 mA to 32.9 mA	150 µA/A + 2 µA	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output AC Current (@ 5 kHz to 10 kHz)	3.3 mA to 32.9 mA	300 µA/A + 3 µA	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output AC Current (@ 10 kHz to 30 kHz)	3.3 mA to 32.9 mA	900 µA/A + 4 µA	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Measure AC Current (@ 3 Hz to 5 Hz)	100 mA to 400 mA	0.11 % of reading + 0.43 mA	Multifunction Calibrator	AVP-124/GIDEP	F
Electrical	Equipment to Measure AC Current (@ 5 Hz to 10 Hz)	100 mA to 400 mA	0.11 % of reading + 0.43 mA	Multifunction Calibrator	AVP-124/GIDEP	F
Electrical	Equipment to Measure AC Current (@ 10 Hz to 5 kHz)	100 mA to 400 mA	0.11 % of reading + 2 mA	Multifunction Calibrator	AVP-124/GIDEP	F
Electrical	Equipment to Measure AC Current (@ 5 kHz to 10 kHz)	100 mA to 400 mA	0.30 % of reading + 2 mA	Multifunction Calibrator	AVP-124/GIDEP	F
Electrical	Equipment to Output AC Current (@ 10 Hz to 20 Hz)	33 mA to 329.9 mA	150 µA/A + 20 µA	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output AC Current (@ 20 Hz to 45 Hz)	33 mA to 329.9 mA	150 µA/A + 20 µA	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output AC Current (@ 45 Hz to 1 kHz)	33 mA to 329.9 mA	150 µA/A + 20 µA	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output AC Current (@ 1 kHz to 5 kHz)	33 mA to 329.9 mA	150 µA/A + 50 µA	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output AC Current (@ 5 kHz to 10 kHz)	33 mA to 329.9 mA	300 µA/A + 100 µA	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output AC Current (@ 10 kHz to 30 kHz)	33 mA to 329.9 mA	900 µA/A + 200 µA	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Measure AC Current (@ 3 Hz to 5 Hz)	400 mA to 1 A	0.03 % of reading + 0.8 mA	Multifunction Calibrator	AVP-124/GIDEP	F
Electrical	Equipment to Measure AC Current (@ 5 Hz to 10 Hz)	400 mA to 1 A	0.03 % of reading + 0.8 mA	Multifunction Calibrator	AVP-124/GIDEP	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)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	LOCATION OF ACTIVITY
Electrical	Equipment to Measure AC Current (@ 10 Hz to 5 kHz)	400 mA to 1 A	0.02 % of reading + 0.8 mA	Multifunction Calibrator	AVP-124/GIDEP	F
Electrical	Equipment to Measure AC Current (@ 5 kHz to 10 kHz)	400 mA to 1 A	0.03 % of reading + 6.1 mA	Multifunction Calibrator	AVP-124/GIDEP	F
Electrical	Equipment to Output AC Current (@ 10 Hz to 45 Hz)	0.33 A to 1.09 A	100 µA/A + 0.1 mA	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output AC Current (@ 45 Hz to 1 kHz)	0.33 A to 1.09 A	100 µA/A + 0.1 mA	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output AC Current (@ 1 kHz to 5 kHz)	0.33 A to 1.09 A	150 µA/A + 1.0 mA	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output AC Current (@ 5 kHz to 10 kHz)	0.33 A to 1.09 A	400 µA/A + 5.0 mA	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Measure AC Current (@ 3 Hz to 5 Hz)	1 A to 3 A	300 µA/A + 0.1 mA	Multifunction Calibrator	AVP-124/GIDEP	F
Electrical	Equipment to Measure AC Current (@ 5 Hz to 10 Hz)	1 A to 3 A	300 µA/A + 0.1 mA	Multifunction Calibrator	AVP-124/GIDEP	F
Electrical	Equipment to Measure AC Current (@ 10 Hz to 5 kHz)	1 A to 3 A	400 µA/A + 1.0 mA	Multifunction Calibrator	AVP-124/GIDEP	F
Electrical	Equipment to Measure AC Current (@ 5 kHz to 10 kHz)	1 A to 3 A	600 µA/A + 5.0 mA	Multifunction Calibrator	AVP-124/GIDEP	F
Electrical	Equipment to Output AC Current (@ 10 Hz to 45 Hz)	1.1 A to 2.99 A	1.8 mA/A + 100 µA	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output AC Current (@ 45 Hz to 1 kHz)	1.1 A to 2.99 A	0.6 mA/A + 100 µA	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output AC Current (@ 1 kHz to 5 kHz)	1.1 A to 2.99 A	6 mA/A + 1 000 µA	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output AC Current (@ 5 kHz to 10 kHz)	1.1 A to 2.99 A	25 mA/A + 5 000 µA	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Measure AC Current (@ 3 Hz to 5 Hz)	3 A to 10 A	0.05 % of reading + 12 mA	Multifunction Calibrator	AVP-124/GIDEP	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)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	LOCATION OF ACTIVITY
Electrical	Equipment to Measure AC Current (@ 5 Hz to 10 Hz)	3 A to 10 A	0.05 % of reading + 12 mA	Multifunction Calibrator	AVP-124/GIDEP	F
Electrical	Equipment to Measure AC Current (@ 10 Hz to 5 kHz)	3 A to 10 A	0.02 % of reading + 12 mA	Multifunction Calibrator	AVP-124/GIDEP	F
Electrical	Equipment to Measure AC Current (@ 5 kHz to 10 kHz)	3 A to 10 A	0.02 % of reading + 12 mA	Multifunction Calibrator	AVP-124/GIDEP	F
Electrical	Equipment to Output AC Current (@ 45 Hz to 100 Hz)	3 A to 10.99 A	300 µA/A + 2 mA	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output AC Current (@ 100 Hz to 1 kHz)	3 A to 10.99 A	300 µA/A + 2 mA	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output AC Current (@ 1 kHz to 5 kHz)	3 A to 10.99 A	300 µA/A + 2 mA	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output AC Current (@ 45 Hz to 100 Hz)	11 A to 20.5 A	250 µA/A + 5 mA	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output AC Current (@ 100 Hz to 1 kHz)	11 A to 20.5 A	250 µA/A + 5 mA	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Equipment to Output AC Current (@ 1 kHz to 5 kHz)	11 A to 20.5 A	300 µA/A + 5 mA	Digital Multimeter	AVP-124/GIDEP	F
Electrical	Phase Angle – Meter (@ 10 Hz to 65 Hz)	0 ° to 360 °	0.05 °	Multifunction Calibrator	AVP-124/GIDEP	F
Electrical	Phase Angle – Meter (@ 65 Hz to 400 Hz)	0 ° to 360 °	0.05 °	Multifunction Calibrator	AVP-124/GIDEP	F
Electrical	Phase Angle – Meter (@ 400 Hz to 5 kHz)	0 ° to 360 °	0.20 °	Multifunction Calibrator	AVP-124/GIDEP	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	F
Electrical	Oscilloscope Level Sine Flatness (@ 5 mV to 5.5 V) Relative to 50 kHz Reference	50 kHz to 100 MHz	0.1 mV + 2 % of Reading	Multifunction Calibrator/SC1.1G	AVP-124/GIDEP	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)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	LOCATION OF ACTIVITY
Electrical	Oscilloscope Level Sine Flatness (@ 5 mV to 5.5 V) Relative to 50 kHz Reference	100 MHz to 300 MHz	0.1 mV + 2.5 % of Reading	Multifunction Calibrator/SC1.1G	AVP-124/GIDEP	F
Electrical	Oscilloscope Level Sine Flatness (@ 5 mV to 5.5 V) Relative to 50 kHz Reference	300 MHz to 600 MHz	0.1 mV + 4.5 % of Reading	Multifunction Calibrator/SC1.1G	AVP-136/GIDEP	F
Electrical	Oscilloscope Level Sine Flatness (@ 5 mV to 5.5 V) Relative to 50 kHz Reference	600 MHz to 1 100 MHz	0.1 mV + 5.5 % of Reading	Multifunction Calibrator/SC1.1G	AVP-136/GIDEP	F
Electrical	Oscilloscope Square Wave 1 MΩ, 100 Hz	1 mV to 150 $V_{(p-p)}$	40 µV + 0.2 % of Reading	Multifunction Calibrator	AVP-136/GIDEP	F
Electrical	Oscilloscope Square Wave 50 Ω, 1 kHz	1 mV to 6.6 $V_{(p-p)}$	40 µV + 0.35 % of Reading	Multifunction Calibrator	AVP-136/GIDEP	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	F
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	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	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)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	LOCATION OF ACTIVITY
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	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	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	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	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	F
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	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	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	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	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	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)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	LOCATION OF ACTIVITY
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	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	F
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	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	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	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	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	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	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	F
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	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)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	LOCATION OF ACTIVITY
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	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	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	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	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	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	F
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	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	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	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	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)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	LOCATION OF ACTIVITY
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	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	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	F
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	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	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	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	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	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	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	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)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	LOCATION OF ACTIVITY
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	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	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	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	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	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	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	F
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	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	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	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)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	LOCATION OF ACTIVITY
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	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	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	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	F
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	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	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	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	F
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Cu 427 120 Ω [F]	-100 °C to 260 °C	0.3 °C	Multifunction Calibrator Electrical Simulation of RTD Output	AVP-108/GIDEP	F
Electrical	Temperature Measure RTD – Pt100 (DIN IEC 751, type 385)	-200 °C to -100 °C	0.05 °C	Digital Multimeter	AVP-108/GIDEP	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)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	LOCATION OF ACTIVITY
Electrical	Temperature Measure RTD – Pt100 (DIN IEC 751, type 385)	-100 °C to 0 °C	0.05 °C	Digital Multimeter	AVP-108/GIDEP	F
Electrical	Temperature Measure RTD – Pt100 (DIN IEC 751, type 385)	0 °C	0.03 °C	Digital Multimeter	AVP-108/GIDEP	F
Electrical	Temperature Measure RTD – Pt100 (DIN IEC 751, type 385)	0 °C to 100 °C	0 °C to 100 °C	Digital Multimeter	AVP-108/GIDEP	F
Electrical	Temperature Measure RTD – Pt100 (DIN IEC 751, type 385)	100 °C to 300 °C	100 °C to 300 °C	Digital Multimeter	AVP-108/GIDEP	F
Electrical	Temperature Measure RTD – Pt100 (DIN IEC 751, type 385)	300 °C to 600 °C	300 °C to 600 °C	Digital Multimeter	AVP-108/GIDEP	F
Electrical	DC Voltage – Output	1 kV to 40 kV	0.011 V	Digital Multimeter & High Voltage Probe	AVP-122/GIDEP	FO
Electrical	DC Voltage – Output	1 A to 700 A	0.01 %	Digital Multimeter & Shunt	AVP-122/GIDEP	FO
Electrical	DC Current – Measuring Equipment Clamp-On Only	0.1 A to 1 000 A	0.3 % of reading + 0.5 A	Multifunction Calibrator with 50 turn coil	AVP-122/GIDEP	FO
Electrical	Inductance Measuring Equipment Fixed Values 1 mH	100 Hz to 1 kHz	1 µH	Inductance Standard	AVP-127/GIDEP	FO
Electrical	Inductance Measuring Equipment Fixed Values (50 mH)	100 Hz to 1 kHz	20 µH	Inductance Standard	AVP-127/GIDEP	FO
Electrical	Inductance Measuring Equipment Fixed Values (100 mH)	100 Hz to 1 kHz	40 µH	Inductance Standard	AVP-127/GIDEP	FO
Electrical	Distortion – Measure (0 to 99.9) dB Fundamental Freq 20 Hz to 100 kHz	50 Hz to 500 kHz	0.1 %	Audio Analyzer	AVP-138/GIDEP	FO

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)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	LOCATION OF ACTIVITY
Electrical	Edge Rise Time – Measure	< 300 ps	24 ps	Digital Oscilloscope	AVP-136/GIDEP	F
Electrical	Signal Level Measuring Equipment (+23.98 to -56.02) dBm	0.1 Hz to 20 MHz	0.9 dB	Output Level Function Generator, Synthesized Signal Generator	AVP-138/GIDEP	F
Electrical	Signal Level Measuring Equipment (+13.0 to -127.0) dBm	100 kHz to 2000 MHz	1.1 dBm	Output Level Function Generator, Synthesized Signal Generator	AVP-138/GIDEP	F
Electrical	Signal Level Measuring Equipment (-10.0 to -90.0) dBm	2 GHz to 18 GHz	2.1 dBm	Output Level Function Generator, Synthesized Signal Generator	AVP-138/GIDEP	F
Electrical	Power Measurement – Amplitude	-70dBm to +30 dBm	1.1 dBm	Power Meter with Power Sensor and Attenuator	AVP-138/GIDEP	F
Electrical	Power Meters – Readout Calibration Zero Set Instrument Accuracy	3 µW	0.25 % of reading + 6.2 nW	Power Meter Range Calibrator	AVP-138/GIDEP	F
		10 µW	0.25 % of reading + 6.2 nW			
		3 µW	0.25 % of reading + 6.2 nW			
		30 µW	0.25 % of reading + 6.2 nW			
		(100, 300) µW	0.25 % of reading + 6.2 nW			
		(1, 2) mW	0.25 % of reading + 6.2 nW			
		(10, 30, 100) mW	0.25 % of reading + 6.2 nW			
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	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	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)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	LOCATION OF ACTIVITY
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	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	F
Electrical	Frequency Modulation – Measure Rate: 20 Hz to 10 kHz, Dev.: ≤ 40 kHz peak	0.25 MHz to 10 MHz	4 % of reading + 1 digit	Modulation Analyzer with Power Sensor	AVP-138/GIDEP	F
Electrical	Frequency Modulation – Measure Rate: 50 Hz to 100 kHz, Dev.: ≤ 400 kHz peak	10 MHz to 1.3 GHz	3 % of reading + 1 digit	Modulation Analyzer with Power Sensor	AVP-138/GIDEP	F
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	F
Mass, Force, and Weighing Devices	Tension/Compression Force	50 lbf to 500 lbf	0.029 % of Reading	Load Cell with Indicator	AVP-112/GIDEP	FO
Mass, Force, and Weighing Devices	Tension/Compression Force	200 lbf to 2 000 lbf	0.029 % of Reading	Load Cell with Indicator	AVP-112/GIDEP	FO
Mass, Force, and Weighing Devices	Tension/Compression Force	1 000 lbf to 10 000 lbf	0.029 % of Reading	Load Cell with Indicator	AVP-112/GIDEP	FO
Mass, Force, and Weighing Devices	Tension/Compression Force	5 000 lbf to 50 000 lbf	0.029 % of Reading	Load Cell with Indicator	AVP-112/GIDEP	FO
Mass, Force, and Weighing Devices	Compression Force	30 000 lbf to 300 000 lbf	0.17 % of Reading	Load Cell with Indicator	AVP-112/GIDEP	FO
Mass, Force, and Weighing Devices	Analytical Balances	1 mg to 120 g	0.06 mg	Stainless Steel Weight Set	AVP-105/GIDEP	FO
Mass, Force, and Weighing Devices	Precision Balances	1 mg to 620 g	0.6 mg	Stainless Steel Weight Set	HB44/GIDEP	FO

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)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	LOCATION OF ACTIVITY
Mass, Force, and Weighing Devices	Precision Balances	1 g to 8 000 g	1.2 mg	Stainless Steel Weight Set	HB44/GIDEP	F
Mass, Force, and Weighing Devices	Bench Scale/ Balances	25 kg to 125 kg	0.21 g	Weight Set	HB44/GIDEP	FO
Mechanical	Volume Delivery Instruments (Pipettes)	100 µL to 1 000 µL	0.12 % of Reading	Stainless Steel Weight Set Analytical Scale Temperature / Humidity Indicator	ISO 8655-6, ISO/TR 20461	F
Mechanical	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	F
Mechanical	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	F
Mechanical	Air Flow	10 SCCM to 100 SCCM	0.82 % of Reading	Flow Meter	AVP-110/GIDEP	FO
Mechanical	Air Flow	10 SLPM to 1 000 SLPM	0.82 % of Reading	Flow Meter	AVP-110/GIDEP	FO
Mechanical	Air Flow Meters	10 SLPM to 1 000 SLPM	0.82% of Reading	Flowmeters	AVP-110/GIDEP	FO
Mechanical	Liquid Flow	0.1 GPM to 300 GPM	0.63% of Reading	Flow Computers & Flow Turbines Set	AVP-110/GIDEP	FO
Mechanical	Pressure Gauge and Transducer	-30 inHg to 3 inHg	0.07 % of FS	Digital Pressure Gauge DPI104-30G	AVP-102/GIDEP	FO
Mechanical	Pressure Gauge and Transducer	1.5 psi to 5 psi	0.066 % of FS	Digital Pressure Gauge M101-GN0005 (Low pressure application)	AVP-102/GIDEP	FO
Mechanical	Pressure Gauge and Transducer	0 psi to 30 psi	0.058 % of FS	DPI104-2-30PSI	AVP-102/GIDEP	FO
Mechanical	Pressure Gauge and Transducer	0 psi to 100 psi	0.061 % of FS	DPI104-2-100PSI	AVP-102/GIDEP	FO

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)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	LOCATION OF ACTIVITY
Mechanical	Pressure Gauge and Transducer	0 psi to 300 psi	0.058 % of FS	DPI104-2-300PSI	AVP-102/GIDEP	FO
Mechanical	Pressure Gauge and Transducer	0 psi to 1 000 psi	0.062 % of FS	DPI104-2-1000PSI	AVP-102/GIDEP	FO
Mechanical	Pressure Gauge and Transducer	0 psi to 5 000 psi	0.059 % of FS	DPI104-2-5000PSI	AVP-102/GIDEP	FO
Mechanical	Pressure Gauge and Transducer	0 psi to 10 000 psi	0.061 % of FS	DPI104-2-10000PSI	AVP-102/GIDEP	FO
Mechanical	Pressure Gauge and Transducer	0 psi to 20 000 psi	0.058 % of FS	DPI104-2-20000PSI	AVP-102/GIDEP	FO
Mechanical	Air Data Test Set, Pitot Testers	-30 in·Hg to 30 in·Hg	0.007 1 % of FS	Pressure Controller with Aeronautical Option & Control Module Aero w/ Barometric Reference Sensor	AVP-116/GIDEP	F
Mechanical	Torque Indicators and Transducers	Up to 40 lbf·ft	0.047 % of FS	Torque Wheel 2 in & Weight	AVP-139/GIDEP	FO
Mechanical	Torque Indicators and Transducers	Up to 200 lbf.in	0.01 % of FS	Torque Wheel bar 4 in & Weight	AVP-139/GIDEP	FO
Mechanical	Torque Indicators and Transducers	Up to 9 600 lbf.in	0.013 % of FS	Torque bar 24 in & Weight	AVP-139/GIDEP	FO
Mechanical	Hand Torque Tools	Up to 10 lbf·in	0.016 + 0.47 % of reading	Digital torque tester H105	AVP-104/GIDEP	FO
Mechanical	Hand Torque Tools	Up to 200 lbf.in	0.033 + 0.1 % of reading	Torque system TSD 60002/TSD011	AVP-104/GIDEP	FO
Mechanical	Hand Torque Tools	Up to 300 lbf.ft	0.014 + 0.11 % of reading	Torque system TSD6000-2/TSD321	AVP-104/GIDEP	FO
Mechanical	Hand Torque Tools	Up to 800 lbf.ft	0.12 + 0.1 % of reading	Torque Wheel 2 in & Weight	AVP-104/GIDEP	FO
Mechanical	Torque Analyzer	Up to 40 lbf.in	0.047 % of FS	Torque Wheel 2 in & Weight	AVP-139/GIDEP	FO
Mechanical	Torque Analyzer	Up to 200 lbf.in	0.01 % of FS	Torque Wheel bar 4 in & Weight	AVP-139/GIDEP	FO

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)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	LOCATION OF ACTIVITY
Mechanical	Torque Analyzer	Up to 9 600 lbf.in	0.013 % of FS	Torque bar 24 in & Weight	AVP-139/GIDEP	FO
Mechanical	Indirect Verification of Rockwell Hardness Testers	55 HRB	0.28 HRB	Indirect verification method	ASTM E18	FO
Mechanical	Indirect Verification of Rockwell Hardness Testers	80 HRB	0.61 HRB	Indirect verification method	ASTM E18	FO
Mechanical	Indirect Verification of Rockwell Hardness Testers	95 HRB	0.60 HRB	Indirect verification method	ASTM E18	FO
Mechanical	Indirect Verification of Rockwell Hardness Testers	25 HRC	0.57 HRC	Indirect verification method	ASTM E18	FO
Mechanical	Indirect Verification of Rockwell Hardness Testers	55 HRC	0.54 HRC	Indirect verification method	ASTM E18	FO
Mechanical	Indirect Verification of Rockwell Hardness Testers	63 HRC	0.53 HRC	Indirect verification method	ASTM E18	FO
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	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	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	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	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	F
Thermodynamic	Equipment to Measure Temperature – Non-Contact Thermometer	-70 °C to 180 °C	0.08 °C	Humidity/Temperature Meter	AVP-108/GIDEP/ AMS2750	FO
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	FO

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)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	LOCATION OF ACTIVITY
Thermodynamic	Thermometer Calibration	-25 °C to 140 °C	0.50 % of reading	Dry-Well Calibrator, Ultra Precise RTD Sensor	AVP-108/GIDEP/ AMS2750	FO
Thermodynamic	Oven/Fridge Temperature Mapping	-25 °C to 120 °C	0.16 °C	Data Logger	AVP-108/GIDEP/ AMS2750	FO
Thermodynamic	Oven/Fridge Temperature Mapping	120 °C to 250 °C	0.26 °C	Data Logger	AVP-108/GIDEP/ AMS2750	FO
Thermodynamic	Equipment to Measure Humidity	5 % RH to 100 % RH	0.6 % RH	Humidity/Temperature Meter	AVP-108/GIDEP/ AMS2750	FO
Thermodynamic	IR Thermometer & Thermal Video Devices	50 °C to 500 °C	0.5 % of reading	Infrared / Blackbody Calibrator	AVP-108/GIDEP	FO
Time & Frequency	Stopwatch/Timer (Direct Comparison Method)	Up to 24 h	0.000 6 % of IV	Universal Counter	AVP-129/NIST SP 960	FO
Time & Frequency	Stopwatch/Timer (Totalize Method)	Up to 24 h	0.000 04 % of IV	Universal Counter	AVP-129/NIST SP 960	FO
Time & Frequency	Equipment to Output rpm (Noncontact Optical)	60 rpm to 600 rpm	0.000 06 rpm	Multifunction Calibrator	AVP-129/GIDEP	F
Time & Frequency	Equipment to Output rpm (Noncontact Optical)	600 rpm to 6 000 rpm	0.000 5 rpm	Multifunction Calibrator	AVP-129/GIDEP	F
Time & Frequency	Equipment to Output rpm (Noncontact Optical)	6 000 rpm to 60 000 rpm	0.007 rpm	Multifunction Calibrator	AVP-129/GIDEP	F
Time & Frequency	Equipment to Output rpm (Noncontact Optical)	60 000 rpm to 600 000 rpm	0.072 rpm	Multifunction Calibrator	AVP-129/GIDEP	F
Time & Frequency	Equipment to Measure RPM (Optical / Contact)	6 rpm to 99 999 rpm	0.48 rpm + 0.004 % of Reading	Universal Counter	AVP-129/GIDEP	F
Optical	Light Meters – Measure UV	1 µW/cm^2 to 100 mW/cm^2	3 % of reading	Radiometer and sensors	AVP-125/ASTM E2297	F
Optical	Light Meters – Measure UV	1 µW/cm^2 to 100 mW/cm^2	3 % of reading	Radiometer and sensors	AVP-125/ASTM E2297	F
Optical	Visible	Up to 500 fc	3 % of reading	Radiometer and sensors	AVP-125/ASTM E2297	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:

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.