



# PERRY JOHNSON LABORATORY ACCREDITATION, INC.

## *Certificate of Accreditation*

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

***Agile Calibration***  
***252 West Swamp Road, Suite 7, Doylestown, PA 18901***

*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:

***Electrical, Time and Frequency, and Optical 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:*

January 20, 2018

*Issue Date:*

February 11, 2026

*Expiration Date:*

March 31, 2028

*Accreditation No.:*

95241

*Certificate No.:*

L26-103

*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.pjilabs.com](http://www.pjilabs.com)*



# Certificate of Accreditation: Supplement

## Agile Calibration

252 West Swamp Road, Suite 7, Doylestown, PA 18901  
Contact Name: Bill Albert Phone: 215-340-0123

*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 ( $\pm$ ) <sup>1</sup>	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	FLEX CODE	LOCATION OF ACTIVITY
Electrical	Equipment to Measure DC Voltage	Up to 329.999 mV	20 $\mu$ V/V + 1 $\mu$ V	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure DC Voltage	0.33 V to 3.299 999 V	11 $\mu$ V/V + 2 $\mu$ V	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure DC Voltage	3.3 V to 32.999 99 V	12 $\mu$ V/V + 20 $\mu$ V	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure DC Voltage	33 V to 339.999 9 V	18 $\mu$ V/V + 0.15 mV	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure DC Voltage	340 V to 1 020 V	18 $\mu$ V/V + 1.5 mV	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure DC Current	Up to 329.99 $\mu$ V	0.15 mA/A + 20 nA	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure DC Current	330 $\mu$ V to 3.299 99 mA	0.1 mA/A + 50 nA	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure DC Current	3.3 mA to 32.999 9 mA	0.1 mA/A + 0.25 $\mu$ A	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure DC Current	33 mA to 329.999 mA	0.1 mA/A + 2.5 $\mu$ A	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure DC Current	0.33 A to 1.099 99 A	0.2 mA/A + 40 $\mu$ A	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure DC Current	1.1 A to 2.999 99 A	0.38 mA/A + 40 $\mu$ A	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure DC Current	3 A to 10.999 9 A	0.5 mA/A + 0.5 mA	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure DC Current	11 A to 20.5 A	1 mA/A + 0.75 mA	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Resistance	Up to 10.999 9 $\Omega$	40 $\mu$ $\Omega$ / $\Omega$ + 1 m $\Omega$	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Resistance	11 to 32.999 9 $\Omega$	30 $\mu$ $\Omega$ / $\Omega$ + 1.5 m $\Omega$	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O



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Electrical	Equipment to Measure Resistance	33 $\Omega$ to 109.999 9 $\Omega$	28 $\mu\Omega/\Omega$ + 1.4 m $\Omega$	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Resistance	110 $\Omega$ to 329.999 9 $\Omega$	28 $\mu\Omega/\Omega$ + 2 m $\Omega$	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Resistance	330 $\Omega$ to 1 099.999 $\Omega$	28 $\mu\Omega/\Omega$ + 2 m $\Omega$	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Resistance	1.1 k $\Omega$ to 3.299 999 k $\Omega$	28 $\mu\Omega/\Omega$ + 20 m $\Omega$	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Resistance	3.3 k $\Omega$ to 10.999 99 k $\Omega$	28 $\mu\Omega/\Omega$ + 20 m $\Omega$	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Resistance	11 k $\Omega$ to 32.999 99 k $\Omega$	28 $\mu\Omega/\Omega$ + 0.2 $\Omega$	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Resistance	33 k $\Omega$ to 109.999 9 k $\Omega$	28 $\mu\Omega/\Omega$ + 0.2 $\Omega$	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Resistance	110 k $\Omega$ to 329.999 9 k $\Omega$	32 $\mu\Omega/\Omega$ + 2 $\Omega$	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Resistance	330 k $\Omega$ to 1 099.99 k $\Omega$	32 $\mu\Omega/\Omega$ + 2 $\Omega$	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Resistance	1.1 M $\Omega$ to 3.299 999 M $\Omega$	60 $\mu\Omega/\Omega$ + 30 $\Omega$	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Resistance	3.3 M $\Omega$ to 10.999 99 M $\Omega$	0.13 m $\Omega/\Omega$ + 50 $\Omega$	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Resistance	11 M $\Omega$ to 32.999 99 M $\Omega$	0.25 m $\Omega/\Omega$ + 2.5 k $\Omega$	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Resistance	33 M $\Omega$ to 109.999 9 M $\Omega$	0.5 m $\Omega/\Omega$ + 3 k $\Omega$	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Resistance	110 M $\Omega$ to 329.999 9 M $\Omega$	3 m $\Omega/\Omega$ + 0.1 M $\Omega$	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Resistance	330 M $\Omega$ to 1 100 M $\Omega$	15 m $\Omega/\Omega$ + 0.5 M $\Omega$	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O



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Electrical	Equipment to Source RF Power (@ 50 MHz)	1 mW	0.002 6 mW	E4419B/ 8482A/ U8487A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Source RF Power (@ 9 kHz to 1 GHz)	1 uW to 10 mW	1.0 % of reading + 0.01 uW	E4419B/ 8482A/ U8487A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Source RF Power (@ 1 GHz to 9 GHz)	1 uW to 10 mW	1.1 % of reading + 0.01 uW	E4419B/ 8482A/ U8487A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Source RF Power (@ 9 GHz to 19 GHz)	1 uW to 10 mW	1.4 % of reading + 0.01 uW	E4419B/ 8482A/ U8487A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Source RF Power (@ 19 GHz to 21 GHz)	1 uW to 10 mW	1.7 % of reading + 0.01 uW	E4419B/ 8482A/ U8487A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Source RF Power (@ 21 GHz to 33 GHz)	1 uW to 10 mW	2.3 % of reading + 0.01 uW	E4419B/ 8482A/ U8487A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Source RF Power (@ 33 GHz to 38 GHz)	1 uW to 10 mW	2.6 % of reading + 0.01 uW	E4419B/ 8482A/ U8487A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Source RF Power (@ 38 GHz to 42 GHz)	1 uW to 10 mW	2.9 % of reading + 0.01 uW	E4419B/ 8482A/ U8487A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Source RF Power (@ 42 GHz to 46 GHz)	1 uW to 10 mW	3.0 % of reading + 0.01 uW	E4419B/ 8482A/ U8487A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Source RF Power (@ 46 GHz to 48 GHz)	1 uW to 10 mW	3.2 % of reading + 0.01 uW	E4419B/ 8482A/ U8487A	OEM Manual GIDEP	F1, F2	F, O



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Electrical	Equipment to Source RF Power (@ 48 GHz to 50 GHz)	1 uW to 10 mW	3.4 % of reading + 0.01 uW	E4419B/ 8482A/ U8487A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Source Relative Power (@ 10 MHz to 50 GHz)	-20 dBm to -70 dBm	0.02 dB	U8487A N9030B	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Source Relative Power (@ 10 MHz to 50 GHz)	-70 dBm to -130 dBm	0.1 dB	U8487A N9030B	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure RF Power (@ 50 MHz)	1 mW	0.002 6 mW	GPSDO/5522A/ N5371B/ ADA-2052/ E4419B/ 8482A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure RF Power (@ 9 kHz to 1 GHz)	1 uW up to 10 mW	1.0 % of reading + 0.01 uW	E4419B/8482	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure RF Power (@ 1 GHz to 9 GHz)	1 uW up to 10 mW	1.1 % of reading + 0.01 uW	U8487A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure RF Power (@ 9 GHz to 19 GHz)	1 uW up to 10 mW	1.4 % of reading + 0.01 uW	U8487A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure RF Power (@ 19 GHz to 21 GHz)	1 uW up to 10 mW	1.7 % of reading + 0.01 uW	U8487A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure RF Power (@ 21 GHz to 33 GHz)	1 uW up to 10 mW	2.3 % of reading + 0.01 uW	U8487A	OEM Manual GIDEP	F1, F2	F, O



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Electrical	Equipment to Measure RF Power (@ 33 GHz to 38 GHz)	1 uW up to 10 mW	2.6 % of reading + 0.01 uW	U8487A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure RF Power (@ 38 GHz to 42 GHz)	1 uW up to 10 mW	2.9 % of reading + 0.01 uW	U8487A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure RF Power (@ 42 GHz to 46 GHz)	1 uW up to 10 mW	3.0 % of reading + 0.01 uW	U8487A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure RF Power (@ 46 GHz to 48 GHz)	1 uW up to 10 mW	3.2 % of reading + 0.01 uW	U8487A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure RF Power (@ 48 GHz to 50 GHz)	1 uW up to 10 mW	3.4 % of reading + 0.01 uW	U8487A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure S-Parameter Phase Angle (S21/S12) (@ 45 MHz to 2.5 GHz)	Up to 180°	1.1°	85057B	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure S-Parameter Phase Angle (S21/S12) (@ 2.5 GHz to 7.5 GHz)	Up to 180°	1.8°	85057B	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure S-Parameter Phase Angle (S21/S12) (@ 7.5 GHz to 12.5 GHz)	Up to 180°	3°	85057B	OEM Manual GIDEP	F1, F2	F, O



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Electrical	Equipment to Measure S-Parameter Phase Angle (S21/S12) (@ 12.5 GHz to 20 GHz)	U[ to 180°	4°	85057B	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure S-Parameter Phase Angle (S21/S12) (@ 20 GHz to 26.25 GHz)	Up to 180°	6.4°	85057B	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure S-Parameter Phase Angle (S21/S12) (@ 32.5 GHz to 40 GHz)	Up to 180°	8°	85057B	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure S-Parameter Phase Angle (S21/S12) (@ 40 GHz to 45 GHz)	Up to 180°	11°	85057B	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure S-Parameter Phase Angle (S21/S12) (@ 45 GHz to 50 GHz)	Up to 180°	12°	85057B	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure S-Parameter Reflection (S11/S22) (@ 45 MHz to 1.25 GHz)	Up to 1 U (Linear Units)	0.023 U	85057B	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure S-Parameter Reflection (S11/S22) (@ 1.25 GHz to 7.55 GHz)	Up to 1 U (Linear Units)	0.014 U	85057B	OEM Manual GIDEP	F1, F2	F, O



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Electrical	Equipment to Measure S-Parameter Reflection (S11/S22) (@ 7.5 GHz to 20 GHz)	Up to 1 U (Linear Units)	0.026 U	85057B	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure S-Parameter Reflection (S11/S22) (@ 20 GHz to 50 GHz)	Up to 1 U (Linear Units)	0.06 U	85057B	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure S-Parameter Insertion Loss (S21/S12)	45 MHz to 1.25 GHz	0.36 dB	85057B	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure S-Parameter Insertion Loss (S21/S12)	1.25 GHz to 7.5 GHz	0.11 dB	85057B	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure S-Parameter Insertion Loss (S21/S12)	7.5 GHz to 10 GHz	0.19 dB	85057B	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure S-Parameter Insertion Loss (S21/S12)	10 GHz to 20 GHz	0.22 dB	85057B	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure S-Parameter Insertion Loss (S21/S12)	20 GHz to 26.25 GHz	0.26 dB	85057B	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure S-Parameter Insertion Loss (S21/S12)	26.25 to 40 GHz	0.59 dB	85057B	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure S-Parameter Insertion Loss (S21/S12)	40 to 50 GHz	0.8 dB	85057B	OEM Manual GIDEP	F1, F2	F, O



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Electrical	Equipment to Measure Thermocouple Type B	600 °C to 800 °C	0.44 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Thermocouple Type B	800 °C to 1 000 °C	0.34 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Thermocouple Type B	1 000 °C to 1 550 °C	0.3 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Thermocouple Type B	1 550 °C to 1 820 °C	0.33 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Thermocouple Type C	0 °C to 150 °C	0.3 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Thermocouple Type C	150 °C to 650 °C	0.26 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Thermocouple Type C	650 °C to 1 000 °C	0.31 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Thermocouple Type C	1 000 °C to 1 800 °C	0.5 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Thermocouple Type C	1 800 °C to 2 316 °C	0.84 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Thermocouple Type E	-240 °C to -100 °C	0.5 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Thermocouple Type E	-100 °C to -25 °C	0.16 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Thermocouple Type E	-25 °C to 350 °C	0.14 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Thermocouple Type E	350 °C to 650 °C	0.16 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Thermocouple Type E	650 °C to 1 000 °C	0.21 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Thermocouple Type J	-210 °C to -100 °C	0.27 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O



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Electrical	Equipment to Measure Thermocouple Type J	-100 °C to -30 °C	0.16 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Thermocouple Type J	-30 °C to 150 °C	0.14 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Thermocouple Type J	150 °C to 760 °C	0.17 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Thermocouple Type J	760 °C to 1 200 °C	0.23 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Thermocouple Type K	-200 °C to -100 °C	0.33 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Thermocouple Type K	-100 °C to -25 °C	0.18 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Thermocouple Type K	-25 °C to 120 °C	0.16 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Thermocouple Type K	120 °C to 1 000 °C	0.26 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Thermocouple Type K	1 000 °C to 1 372 °C	0.4 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Thermocouple Type L	-200 °C to -100 °C	0.37 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Thermocouple Type L	-100 °C to 800 °C	0.26 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Thermocouple Type L	800 °C to 900 °C	0.17 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Thermocouple Type N	-200 °C to -100 °C	0.4 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Thermocouple Type N	-100 °C to -25 °C	0.22 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Thermocouple Type N	-25 °C to 120 °C	0.19 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O



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## Agile Calibration

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Electrical	Equipment to Measure Thermocouple Type N	120 °C to 410 °C	0.18 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Thermocouple Type N	410 °C to 1 300 °C	0.27 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Thermocouple Type R	0 °C to 250 °C	0.57 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Thermocouple Type R	250 °C to 400 °C	0.35 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Thermocouple Type R	400 °C to 1 000 °C	0.33 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Thermocouple Type R	1 000 °C to 1 767 °C	0.4 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Thermocouple Type S	0 °C to 250 °C	0.47 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Thermocouple Type S	250 °C to 1 000 °C	0.36 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Thermocouple Type S	1 000 °C to 1 400 °C	0.37 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Thermocouple Type S	1 400 °C to 1 767 °C	0.46 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Thermocouple Type T	-250 °C to -150 °C	0.63 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Thermocouple Type T	-150 °C to 0 °C	0.24 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Thermocouple Type T	0 °C to 120 °C	0.16 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Thermocouple Type T	120 °C to 400 °C	0.14 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Thermocouple Type U	-200 °C to 0 °C	0.56 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O



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Electrical	Equipment to Measure Thermocouple Type U	0 °C to 600 °C	0.27 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (Sine Wave) (@ 10 Hz to 45 Hz)	1 mV to 32.999 mV	0.8 mV/V + 6 $\mu$ V	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (Sine Wave) (@ 45 Hz to 10 kHz)	1 mV to 32.999 mV	0.15 mV/V + 6 $\mu$ V	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (Sine Wave) (@ 10 kHz to 20 kHz)	1 mV to 32.999 mV	0.2 mV/V + 6 $\mu$ V	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (Sine Wave) (@ 20 kHz to 50 kHz)	1 mV to 32.999 mV	1 mV/V + 6 $\mu$ V	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (Sine Wave) (@ 50 kHz to 100 kHz)	1 mV to 32.999 mV	3.5 mV/V + 12 $\mu$ V	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (Sine Wave) (@ 100 kHz to 500 kHz)	1 mV to 32.999 mV	8 mV/V + 50 $\mu$ V	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (Sine Wave) (@ 10 Hz to 45 Hz)	33 mV to 329.999 mV	0.3 mV/V + 8 $\mu$ V	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (Sine Wave) (@ 45 Hz to 10 kHz)	33 mV to 329.999 mV	0.15 mV/V + 8 $\mu$ V	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (Sine Wave) (@ 10 kHz to 20 kHz)	33 mV to 329.999 mV	0.16 mV/V + 8 $\mu$ V	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O



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Electrical	Equipment to Measure AC Voltage (Sine Wave) (@ 20 kHz to 50 kHz)	33 mV to 329.999 mV	0.35 mV/V + 8 $\mu$ V	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (Sine Wave) (@ 50 kHz to 100 kHz)	33 mV to 329.999 mV	0.8 mV/V + 32 $\mu$ V	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (Sine Wave) (@ 100 kHz to 500 kHz)	33 mV to 329.999 mV	2 mV/V + 70 $\mu$ V	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (Sine Wave) (@ 10 Hz to 45 Hz)	0.3 V to 3.299 99 V	0.3 mV/V + 50 $\mu$ V	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (Sine Wave) (@ 45 Hz to 10 kHz)	0.3 V to 3.299 99 V	0.15 mV/V + 60 $\mu$ V	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (Sine Wave) (@ 10 kHz to 20 kHz)	0.3 V to 3.299 99 V	0.19 mV/V + 60 $\mu$ V	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (Sine Wave) (@ 20 kHz to 50 kHz)	0.3 V to 3.299 99 V	0.3 mV/V + 50 $\mu$ V	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (Sine Wave) (@ 50 kHz to 100 kHz)	0.3 V to 3.299 99 V	0.7 mV/V + 0.13 mV	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (Sine Wave) (@ 100 kHz to 500 kHz)	0.3 V to 3.299 99 V	2.4 mV/V + 0.6 mV	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (Sine Wave) (@ 10 Hz to 45 Hz)	3.3 V to 32.999 9 V	0.3 mV/V + 0.65 mV	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O



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Electrical	Equipment to Measure AC Voltage (Sine Wave) (@ 45 Hz to 10 kHz)	3.3 V to 32.999 9 V	0.15 mV/V + 0.6 mV	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (Sine Wave) (@ 10 kHz to 20 kHz)	3.3 V to 32.999 9 V	0.24 mV/V + 0.6 mV	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (Sine Wave) (@ 20 kHz to 50 kHz)	3.3 V to 32.999 9 V	0.35 mV/V + 0.6 V	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (Sine Wave) (@ 50 kHz to 100 kHz)	3.3 V to 32.999 9 V	0.9 mV/V + 1.6 mV	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (Sine Wave) (@ 45 Hz to 1 kHz)	33 V to 329.999 V	0.19 mV/V + 2 mV	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (Sine Wave) (@ 1 kHz to 10 kHz)	33 V to 329.999 V	0.2 mV/V + 6 mV	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (Sine Wave) (@ 10 kHz to 20 kHz)	33 V to 329.999 V	0.25 mV/V + 6 mV	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (Sine Wave) (@ 20 kHz to 50 kHz)	33 V to 329.999 V	0.3 mV/V + 6 mV	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (Sine Wave) (@ 50 kHz to 100 kHz)	33 V to 329.999 V	2 mV/V + 50 mV	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (Sine Wave) (@ 45 Hz to 1 kHz)	330 V to 1 020 V	0.3 mV/V + 10 mV	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O



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Electrical	Equipment to Measure AC Voltage (Sine Wave) (@ 1 kHz to 5 kHz)	330 V to 1 020 V	0.25 mV/V + 10 mV	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Voltage (Sine Wave) (@ 5 kHz to 10 kHz)	330 V to 1 020 V	0.3 mV/V + 10 mV	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Sine Wave) (@ 10 Hz to 20 Hz)	29 $\mu$ A to 329.99 $\mu$ A	2 mA/A + 0.1 $\mu$ A	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Sine Wave) (@ 20 Hz to 45 Hz)	29 $\mu$ A to 329.99 $\mu$ A	1.5 mA/A + 0.1 $\mu$ A	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Sine Wave) (@ 45 Hz to 1 kHz)	29 $\mu$ A to 329.99 $\mu$ A	1.3 mA/A + 0.1 $\mu$ A	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Sine Wave) (@ 1 kHz to 5 kHz)	29 $\mu$ A to 329.99 $\mu$ A	3 mA/A + 0.15 $\mu$ A	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Sine Wave) (@ 5 kHz to 10 kHz)	29 $\mu$ A to 329.99 $\mu$ A	8 mA/A + 0.2 $\mu$ A	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Sine Wave) (@ 10 kHz to 30 kHz)	29 $\mu$ A to 329.99 $\mu$ A	16 mA/A + 0.4 $\mu$ A	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Sine Wave) (@ 10 Hz to 20 Hz)	0.33 mA to 3.299 99 mA	2 mA/A + 0.15 $\mu$ A	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Sine Wave) (@ 20 Hz to 45 Hz)	0.33 mA to 3.299 99 mA	1.3 mA/A + 0.15 $\mu$ A	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O



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Electrical	Equipment to Measure AC Current (Sine Wave) (@ 45 Hz to 1 kHz)	0.33 mA to 3.299 99 mA	1 mA/A + 0.15 $\mu$ A	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Sine Wave) (@ 1 kHz to 5 kHz)	0.33 mA to 3.299 99 mA	2 mA/A + 0.2 $\mu$ A	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Sine Wave) (@ 5 kHz to 10 kHz)	0.33 mA to 3.299 99 mA	5 mA/A + 0.3 $\mu$ A	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Sine Wave) (@ 10 kHz to 30 kHz)	0.33 mA to 3.299 99 mA	10 mA/A + 0.6 $\mu$ A	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Sine Wave) (@ 10 Hz to 20 Hz)	3.3 mA to 32.999 9 mA	1.8 mA/A + 2 $\mu$ A	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Sine Wave) (@ 20 Hz to 45 Hz)	3.3 mA to 32.999 9 mA	0.9 mA/A + 2 $\mu$ A	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Sine Wave) (@ 45 Hz to 1 kHz)	3.3 mA to 32.999 9 mA	0.4 mA/A + 2 $\mu$ A	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Sine Wave) (@ 1 kHz to 5 kHz)	3.3 mA to 32.999 9 mA	0.8 mA/A + 2 $\mu$ A	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Sine Wave) (@ 5 kHz to 10 kHz)	3.3 mA to 32.999 9 mA	2 mA/A + 3 $\mu$ A	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Sine Wave) (@ 10 kHz to 30 kHz)	3.3 mA to 32.999 9 mA	4 mA/A + 4 $\mu$ A	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O



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Electrical	Equipment to Measure AC Current (Sine Wave) (@ 10 Hz to 20 Hz)	33 mA to 329.999 mA	1.8 mA/A +20 $\mu$ A	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Sine Wave) (@ 20 Hz to 45 Hz)	33 mA to 329.999 mA	0.9 mA/A + 20 $\mu$ A	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Sine Wave) (@ 45 Hz to 1 kHz)	33 mA to 329.999 mA	0.4 mA/A + 20 $\mu$ A	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Sine Wave) (@ 1 kHz to 5 kHz)	33 mA to 329.999 mA	1 mA/A + 50 $\mu$ A	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Sine Wave) (@ 5 kHz to 10 kHz)	33 mA to 329.999 mA	2 mA/A + 0.1 mA	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Sine Wave) (@ 10 kHz to 30 kHz)	33 mA to 329.999 mA	4 mA/A + 0.2 mA	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Sine Wave) (@ 10 Hz to 45 Hz)	0.33 A to 1.099 99 A	1.8 mA/A + 0.1 mA	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Sine Wave) (@ 45 Hz to 1 kHz)	0.33 A to 1.099 99 A	0.5 mA/A + 0.1 mA	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Sine Wave) (@ 1 kHz to 5 kHz)	0.33 A to 1.099 99 A	6 mA/A + 1 mA	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Sine Wave) (@ 5 kHz to 10 kHz)	0.33 A to 1.099 99 A	25 mA/A + 5 mA	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O



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Electrical	Equipment to Measure AC Current (Sine Wave) (@ 10 Hz to 45 Hz)	1.1 A to 2.999 99 A	1.8 mA/A + 0.1 mA	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Sine Wave) (@ 45 Hz to 1 kHz)	1.1 A to 2.999 99 A	0.6 mA/A + 0.1 mA	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Sine Wave) (@ 1 kHz to 5 kHz)	1.1 A to 2.999 99 A	6 mA/A + 1 mA	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Sine Wave) (@ 5 kHz to 10 kHz)	1.1 A to 2.999 99 A	25 mA/A + 5 mA	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Sine Wave) (@ 45 Hz to 100 Hz)	3 A to 10.999 9 A	0.6 mA/A + 2 mA	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Sine Wave) (@ 100 Hz to 1 kHz)	3 A to 10.999 9 A	1 mA/A + 2 mA	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Sine Wave) (@ 1 kHz to 5 kHz)	3 A to 10.999 9 A	30 mA/A + 2 mA	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Sine Wave) (@ 45 Hz to 100 Hz)	11 A to 20.5 A	1.2 mA/A + 5 mA	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Sine Wave) (@ 100 Hz to 1 kHz)	11 A to 20.5 A	1.5 mA/A + 5 mA	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Current (Sine Wave) (@ 1 kHz to 5 kHz)	11 A to 20.5 A	30 mA/A + 5 mA	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O



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Electrical	Equipment to Measure Capacitance	220 pF to 399.9 pF	5 mF/F + 10 pF	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	0.4 nF to 1.099 9 nF	5 mF/F + 10 pF	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	1.1 nF to 3.299 9 nF	5 mF/F + 10 pF	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	3.3 nF to 10.999 9 nF	2.5 mF/F + 10 pF	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	11 nF to 32.999 9 nF	2.5 mF/F + 10 pF	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	33 nF to 109.999 nF	2.5 mF/F + 10 pF	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	110 nF to 329.999 nF	2.5 mF/F + 30 pF	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	0.33 $\mu$ F to 1.099 99 $\mu$ F	2.5 mF/F + 1 nF	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	1.1 $\mu$ F to 3.299 99 $\mu$ F	2.5 mF/F + 3 nF	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	3.3 $\mu$ F to 10.999 9 $\mu$ F	2.5 mF/F + 10 nF	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	11 $\mu$ F to 32.999 9 $\mu$ F	4 mF/F + 30 nF	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	33 $\mu$ F to 109.999 $\mu$ F	4.5 mF/F + 0.1 $\mu$ F	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	110 $\mu$ F to 329.999 $\mu$ F	4.5 mF/F + 0.3 $\mu$ F	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	0.33 mF to 1.099 99 mF	4.5 mF/F + 1 $\mu$ F	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	1.1 mF to 3.299 99 mF	4.5 mF/F + 3 $\mu$ F	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O



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## Agile Calibration

252 West Swamp Road, Suite 7, Doylestown, PA 18901

Contact Name: Bill Albert Phone: 215-340-0123

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FIELD OF CALIBRATION	MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	EXPANDED MEASUREMENT UNCERTAINTY ( $\pm$ ) <sup>1</sup>	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	FLEX CODE	LOCATION OF ACTIVITY
Electrical	Equipment to Measure Capacitance	3.3 mF to 10.999 9 mF	4.5 mF/F + 10 $\mu$ F	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	11 mF to 32.999 9 mF	7.5 mF/F + 30 $\mu$ F	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Capacitance	33 mF to 110 mF	11 mF/F + 0.1 mF	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type B	600 °C to 800 °C	0.44 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type B	800 °C to 1 000 °C	0.34 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type B	1 000 °C to 1 550 °C	0.3 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type B	1 550 °C to 1 820 °C	0.33 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type C	0 °C to 150 °C	0.3 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type C	150 °C to 650 °C	0.26 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O



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Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type C	650 °C to 1 000 °C	0.31 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type C	1 000 °C to 1 800 °C	0.5 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type C	1 800 °C to 2 316 °C	0.84 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type E	-240 °C to -100 °C	0.5 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type E	-100 °C to -25 °C	0.16 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type E	-25 °C to 350 °C	0.14 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type E	350 °C to 650 °C	0.16 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O



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Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type E	650 °C to 1 000 °C	0.21 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type J	-210 °C to -100 °C	0.27 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type J	-100 °C to -30 °C	0.16 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type J	-30 °C to 150 °C	0.14 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type J	150 °C to 760 °C	0.17 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type J	760 °C to 1 200 °C	0.23 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type K	-200 °C to -100 °C	0.33 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O



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Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type K	-100 °C to -25 °C	0.18 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type K	-25 °C to 120 °C	0.16 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type K	120 °C to 1 000 °C	0.26 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type K	1 000 °C to 1 372 °C	0.4 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type L	-200 °C to -100 °C	0.37 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type L	-100 °C to 800 °C	0.26 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type L	800 °C to 900 °C	0.17 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O



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Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type N	-200 °C to -100 °C	0.4 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type N	-100 °C to -25 °C	0.22 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type N	-25 °C to 120 °C	0.19 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type N	120 °C to 410 °C	0.18 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type N	410 °C to 1 300 °C	0.27 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type R	0 °C to 250 °C	0.57 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type R	250 °C to 400 °C	0.35 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O



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Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type R	400 °C to 1 000 °C	0.33 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type R	1 000 °C to 1 767 °C	0.4 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type S	0 °C to 250 °C	0.47 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type S	250 °C to 1 000 °C	0.36 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type S	1 000 °C to 1 400 °C	0.37 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type S	1 400 °C to 1 767 °C	0.46 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type T	-250 °C to -150 °C	0.63 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O



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Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type T	-150 °C to 0 °C	0.24 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type T	0 °C to 120 °C	0.16 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type T	120 °C to 400 °C	0.14 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type U	-200 °C to 0 °C	0.56 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration, Indication, Control Equipment used with Thermocouple Type U	0 °C to 600 °C	0.27 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 100 Ω	-200 °C to -80 °C	0.05 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 100 Ω	-80 °C to 0 °C	0.05 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O



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Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 100 $\Omega$	0 °C to 100 °C	0.07 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 100 $\Omega$	100 °C to 300 °C	0.09 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 100 $\Omega$	300 °C to 400 °C	0.1 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 100 $\Omega$	400 °C to 630 °C	0.12 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 100 $\Omega$	630 °C to 800 °C	0.23 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3926 100 $\Omega$	-200 °C to -80 °C	0.05 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3926 100 $\Omega$	-80 °C to 0 °C	0.05 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O



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Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3926 100 $\Omega$	0 °C to 100 °C	0.07 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3926 100 $\Omega$	100 °C to 300 °C	0.09 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3926 100 $\Omega$	300 °C to 400 °C	0.1 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3926 100 $\Omega$	400 °C to 630 °C	0.12 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3916 100 $\Omega$	-200 °C to -190 °C	0.25 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3916 100 $\Omega$	-190 °C to -80 °C	0.04 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3916 100 $\Omega$	-80 °C to 0 °C	0.05 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O



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Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3916 100 $\Omega$	0 °C to 100 °C	0.06 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3916 100 $\Omega$	100 °C to 260 °C	0.07 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3916 100 $\Omega$	260 °C to 300 °C	0.08 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3916 100 $\Omega$	300 °C to 400 °C	0.09 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3916 100 $\Omega$	400 °C to 600 °C	0.1 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 3916 100 $\Omega$	600 °C to 630 °C	0.23 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 200 $\Omega$	-200 °C to -80 °C	0.04 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O



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Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 200 $\Omega$	-80 °C to 0 °C	0.04 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 200 $\Omega$	0 °C to 100 °C	0.04 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 200 $\Omega$	100 °C to 260 °C	0.05 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 200 $\Omega$	260 °C to 300 °C	0.12 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 200 $\Omega$	300 °C to 400 °C	0.13 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 200 $\Omega$	400 °C to 600 °C	0.14 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 200 $\Omega$	600 °C to 630 °C	0.16 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O



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Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 500 $\Omega$	-200 °C to -80 °C	0.04 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 500 $\Omega$	-80 °C to 0 °C	0.05 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 500 $\Omega$	0 °C to 100 °C	0.05 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 500 $\Omega$	100 °C to 260 °C	0.06 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 500 $\Omega$	260 °C to 300 °C	0.08 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 500 $\Omega$	300 °C to 400 °C	0.08 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 500 $\Omega$	400 °C to 600 °C	0.09 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O



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Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 500 $\Omega$	600 °C to 630 °C	0.11 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 1 000 $\Omega$	-200 °C to -80 °C	0.03 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 1 000 $\Omega$	-80 °C to 0 °C	0.03 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 1 000 $\Omega$	0 °C to 100 °C	0.04 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 1 000 $\Omega$	100 °C to 260 °C	0.05 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 1 000 $\Omega$	260 °C to 300 °C	0.06 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 1 000 $\Omega$	300 °C to 400 °C	0.07 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O



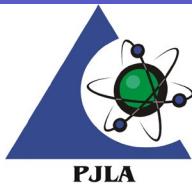
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## Agile Calibration

252 West Swamp Road, Suite 7, Doylestown, PA 18901  
Contact Name: Bill Albert Phone: 215-340-0123

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Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 1 000 $\Omega$	400 °C to 600 °C	0.07 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 1 000 $\Omega$	600 °C to 630 °C	0.23 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 1 000 $\Omega$	-80 °C to 0 °C	0.08 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 1 000 $\Omega$	0 °C to 100 °C	0.08 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Pt 385 1 000 $\Omega$	100 °C to 260 °C	0.14 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Temperature Calibration Indication and Control Equipment used with RTD Cu 427 10 $\Omega$	-100 °C to 260 °C	0.3 °C	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure DC Power	0.1 W to 300 W	0.23 mW/W	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure DC Power	300 W to 3 000 W	0.22 mW/W	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure DC Power	3 kW to 20 kW	0.7 W/kW	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O



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Electrical	Equipment to Measure DC Power	0.1 W to 300 W	0.23 mW/W	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure DC Power	300 W to 3 000 W	0.22 mW/W	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure DC Power	3 kW to 20 kW	0.7 W/kW	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Power (@ 45 to 65 Hz)	11 $\mu$ W to 3 000 $\mu$ W	1.4 mW/W	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Power (@ 45 to 65 Hz)	3 mW to 33 W	0.8 mW/W	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Power (@ 45 to 65 Hz)	33 W to 90 W	1.2 mW/W	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Power (@ 45 to 65 Hz)	90 W to 300 W	0.8 mW/W	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Power (@ 45 to 65 Hz)	300 W to 900 W	1.1 mW/W	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Power (@ 45 to 65 Hz)	900 W to 2 200 W	0.9 mW/W	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Power (@ 45 to 65 Hz)	2 200 W to 4 500 W	1.2 mW/W	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure AC Power (@ 45 to 65 Hz)	4.5 kW to 20 kW	1 mW/W	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O



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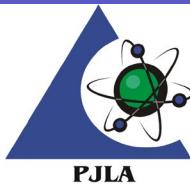
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Electrical	Equipment to Measure Relative Phase Angle (@ 10 Hz to 65 Hz)	Up to 180 °	0.1 °	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Relative Phase Angle (@ 65 Hz to 500 Hz)	Up to 180 °	0.25 °	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Relative Phase Angle (@ 500 Hz to 1 kHz)	Up to 180 °	0.5 °	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Relative Phase Angle (@ 1 kHz to 5 kHz)	Up to 180 °	2.5 °	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Relative Phase Angle (@ 5 kHz to 10 kHz)	Up to 180 °	5 °	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Relative Phase Angle (@ 10 kHz to 30 kHz)	Up to 180 °	10 °	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Square Wave (@ 10 Hz to 10 kHz) (Into 50 Ω)	1 mVpp to 6.6 Vpp	2.5 mV/V + 40 μV	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Square Wave (@ 10 Hz to 10 kHz) (Into 1 MΩ)	1 mVpp to 130 Vpp	1 mV/V + 40 μV	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Fast Edge (Into 50 Ω)	300 pS	Up to -100 pS	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O



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Electrical	Equipment to Measure Leveled Sine Wave (Into 50 $\Omega$ ) (@ 50 kHz to 100 MHz)	5 mV to 3.5 Vpp	15 mV/V + 0.1 mV	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Leveled Sine Wave (Into 50 $\Omega$ ) (@ 100 MHz to 300 MHz)	5 mV to 3.5 Vpp	20 mV/V + 0.1 mV	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Leveled Sine Wave (Into 50 $\Omega$ ) (@ 300 MHz to 600 MHz)	5 mV to 3.5 Vpp	40 mV/V + 0.1 mV	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Measure Leveled Sine Wave (Into 50 $\Omega$ ) (@ 600 MHz to 1 100 MHz)	5 mV to 3.5 Vpp	50 mV/V + 0.1 mV	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output DC Voltage	Up to 100 mV	7 $\mu$ V/V + 0.3 $\mu$ V	Keysight 3458A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output DC Voltage	100 mV to 1V	6 $\mu$ V/V + 0.3 $\mu$ V	Keysight 3458A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output DC Voltage	1V to 10 V	6 $\mu$ V/V + 0.5 $\mu$ V	Keysight 3458A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output DC Voltage	10 V to 100 V	8 $\mu$ V/V + 3 $\mu$ V	Keysight 3458A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output DC Voltage	100 to 1 000 V	8 $\mu$ V/V + 10 $\mu$ V + (12 $\mu$ V/V) * (Vin/1 000)2	Keysight 3458A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output DC Current	10 $\mu$ A to 100 $\mu$ A	20 $\mu$ A/A + 8 pA	Keysight 3458A	OEM Manual GIDEP	F1, F2	F, O



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Electrical	Equipment to Output DC Current	100 $\mu$ A to 1 mA	20 $\mu$ A/A + 50 pA	Keysight 3458A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output DC Current	1 mA to 10 mA	20 $\mu$ A/A + 0.5 nA	Keysight 3458A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output DC Current	10 mA to 100 mA	35 $\mu$ A/A + 5 nA	Keysight 3458A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output DC Current	100 mA to 1 A	0.11 mA/A + 0.1 mA	Keysight 3458A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 1 Hz to 40 Hz)	Up to 10 mV	0.3 mV/V + 3 $\mu$ V	Keysight 3458A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 40 Hz to 1 kHz)	Up to 10 mV	0.2 mV/V + 1.1 $\mu$ V	Keysight 3458A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 1 kHz to 20 kHz)	Up to 10 mV	0.3 mV/V + 1.1 $\mu$ V	Keysight 3458A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 20 kHz to 50 kHz)	Up to 10 mV	1 mV/V + 1.1 $\mu$ V	Keysight 3458A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 50 kHz to 100 kHz)	Up to 10 mV	5 mV/V + 1.1 $\mu$ V	Keysight 3458A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 100 kHz to 300 kHz)	Up to 10 mV	40 mV/V + 2 $\mu$ V	Keysight 3458A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 2 MHz to 4 MHz)	Up to 10 mV	70 mV/V + 7 $\mu$ V	Keysight 3458A	OEM Manual GIDEP	F1, F2	F, O



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Electrical	Equipment to Output AC Voltage (@ 4 MHz to 8 MHz)	Up to 10 mV	0.2 V/V + 8 $\mu$ V	Keysight 3458A	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 1 Hz to 40 Hz)	10 mV to 100 mV	70 $\mu$ V/V + 4 $\mu$ V	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 40 Hz to 1 kHz)	10 mV to 100 mV	70 $\mu$ V/V + 2 $\mu$ V	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 1 kHz to 20 kHz)	10 mV to 100 mV	0.14 m/V + 2 $\mu$ V	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 20 kHz to 50 kHz)	10 mV to 100 mV	0.3 mV/V + 2 $\mu$ V	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 50 kHz to 100 kHz)	10 mV to 100 mV	0.8 mV/V + 2 $\mu$ V	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 100 kHz to 300 kHz)	10 mV to 100 mV	3 mV/V + 10 $\mu$ V	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 300 kHz to 1 MHz)	10 mV to 100 mV	10 mV/V + 10 $\mu$ V	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 1 MHz to 2 MHz)	10 mV to 100 mV	15 mV/V + 10 $\mu$ V	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 2 MHz to 4 MHz)	10 mV to 100 mV	40 mV/V + 70 $\mu$ V	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O



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Electrical	Equipment to Output AC Voltage (@ 4 MHz to 8 MHz)	10 mV to 100 mV	40 mV/V + 80 $\mu$ V	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 8 MHz to 10 MHz)	10 mV to 100 mV	0.15 V/V + 0.1 mV	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 1 Hz to 40 Hz)	100 mV to 1 V	70 $\mu$ V/V + 40 $\mu$ V	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 40 Hz to 1 kHz)	100 mV to 1 V	70 $\mu$ V/V + 20 $\mu$ V	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 1 kHz to 20 kHz)	100 mV to 1 V	0.14 mV/V + 20 $\mu$ V	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 20 kHz to 50 kHz)	100 mV to 1 V	0.3 mV/V + 20 $\mu$ V	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 50 kHz to 100 kHz)	100 mV to 1 V	0.8 mV/V + 20 $\mu$ V	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 100 kHz to 300 kHz)	100 mV to 1 V	3 mV/V + 0.1 mV	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 300 kHz to 1 MHz)	100 mV to 1 V	10 mV/V + 0.1 mV	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 1 MHz to 2 MHz)	100 mV to 1 V	15 mV/V + 0.1 mV	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O



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Electrical	Equipment to Output AC Voltage (@ 2 MHz to 4 MHz)	100 mV to 1 V	40 mV/V + 0.7 mV	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 4 MHz to 8 MHz)	100 mV to 1 V	40 mV/V + 0.8 mV	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 8 MHz to 10 MHz)	100 mV to 1 V	0.15 V/V + 1 mV	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 1 Hz to 40 Hz)	1 V to 10 V	70 $\mu$ V/V + 0.4 mV	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 40 Hz to 1 kHz)	1 V to 10 V	70 $\mu$ V/V + 0.2 mV	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 1 kHz to 20 kHz)	1 V to 10 V	0.14 mV/V + 0.2 mV	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 20 kHz to 50 kHz)	1 V to 10 V	0.3 mV/V + 0.2 mV	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 50 kHz to 100 kHz)	1 V to 10 V	0.8 mV/V + 0.2 mV	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 100 kHz to 300 kHz)	1 V to 10 V	3 mV/V + 1 mV	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 300 kHz to 1 MHz)	1 V to 10 V	10 mV/V + 1 mV	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O



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Electrical	Equipment to Output AC Voltage (@ 1 MHz to 2 MHz)	1 V to 10 V	15 mV/V + 1 mV	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 2 MHz to 4 MHz)	1 V to 10 V	40 mV/V + 7 mV	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 4 MHz to 8 MHz)	1 V to 10 V	40 mV/V + 8 mV	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 8 MHz to 10 MHz)	1 V to 10 V	0.15 mV/V + 10 mV	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 1 Hz to 40 Hz)	10 V to 100 V	0.2 mV/V + 4 mV	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 40 Hz to 1 kHz)	10 V to 100 V	0.2 mV/V + 2 mV	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 1 kHz to 20 kHz)	10 V to 100 V	0.2 mV/V + 2 mV	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 20 kHz to 50 kHz)	10 V to 100 V	0.35 mV/V + 2 mV	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 50 kHz to 100 kHz)	10 V to 100 V	1.2 mV/V + 2 mV	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 100 kHz to 300 kHz)	10 V to 100 V	1.2 mV/V + 10 mV	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O



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Electrical	Equipment to Output AC Voltage (@ 300 kHz to 1 MHz)	10 V to 100 V	15 mV/V + 10 mV	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 1 Hz to 40 Hz)	100 V to 1 000 V	0.4 mV/V + 40 mV	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 40 Hz to 1 kHz)	100 V to 1 000 V	0.4 mV/V + 20 mV	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 1 kHz to 20 kHz)	100 V to 1 000 V	0.6 mV/V + 20 mV	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 20 kHz to 50 kHz)	100 V to 1 000 V	1.2 mV/V + 20 mV	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output AC Voltage (@ 50 kHz to 100 kHz)	100 V to 1 000 V	3 mV/V + 20 mV	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output Resistance	Up to 10 $\Omega$	18 $\mu\Omega/\Omega$ + 50 $\mu\Omega$	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output Resistance	10 $\Omega$ to 100 $\Omega$	15 $\mu\Omega/\Omega$ + 0.5 m $\Omega$	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output Resistance	100 $\Omega$ to 1 000 $\Omega$	13 $\mu\Omega/\Omega$ + 0.5 m $\Omega$	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output Resistance	1 k $\Omega$ to 10 k $\Omega$	13 $\mu\Omega/\Omega$ + 5 m $\Omega$	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output Resistance	10 k $\Omega$ to 100 k $\Omega$	13 $\mu\Omega/\Omega$ + 50 m $\Omega$	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output Resistance	100 k $\Omega$ to 1 000 k $\Omega$	18 $\mu\Omega/\Omega$ + 0.2 $\Omega$	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O



# Certificate of Accreditation: Supplement

## Agile Calibration

252 West Swamp Road, Suite 7, Doylestown, PA 18901  
Contact Name: Bill Albert Phone: 215-340-0123

*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 ( $\pm$ ) <sup>1</sup>	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	FLEX CODE	LOCATION OF ACTIVITY
Electrical	Equipment to Output Resistance	1 M $\Omega$ to 10 M $\Omega$	53 $\mu\Omega/\Omega$ + 1 $\Omega$	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output Resistance	10 M $\Omega$ to 100 M $\Omega$	0.5 $\Omega/\Omega$ + 10 $\Omega$	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Electrical	Equipment to Output Resistance	100 M $\Omega$ to 1 000 M $\Omega$	5 m $\Omega/\Omega$ + 0.1 k $\Omega$	Keysight 3458A OPT002	OEM Manual GIDEP	F1, F2	F, O
Time and Frequency	Equipment to Source Frequency	0.01 Hz to 10 MHz	$6.32 \times 10^{-12}$ Hz/Hz	GPSDO/FA-2/N9030B	OEM Manual GIDEP	F1, F2	F, O
Time and Frequency	Equipment to Source Frequency	10 MHz to 50 GHz	$2.81 \times 10^{-12}$ Hz/Hz	GPSDO/FA-2/N9030B	OEM Manual GIDEP	F1, F2	F, O
Time and Frequency	Equipment to Measure Frequency	0.01 Hz to 50 GHz	$2.10 \times 10^{-12}$ Hz/Hz	GPSDO/5522A/N5371B/ADA-2052	OEM Manual GIDEP	F1, F2	F, O
Time and Frequency	Equipment to Measure Timing Marks (into 50 $\Omega$ )	5 S	5 mS/S	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Time and Frequency	Equipment to Measure Timing Marks (into 50 $\Omega$ )	2 S	2 mS/S	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Time and Frequency	Equipment to Measure Timing Marks (into 50 $\Omega$ )	1 S	1 mS/S	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Time and Frequency	Equipment to Measure Timing Marks (into 50 $\Omega$ )	500 mS	0.5 mS/S	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Time and Frequency	Equipment to Measure Timing Marks (into 50 $\Omega$ )	200 mS	0.2 S/S	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Time and Frequency	Equipment to Measure Timing Marks (into 50 $\Omega$ )	100 mS	0.1 mS/S	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Time and Frequency	Equipment to Measure Timing Marks (into 50 $\Omega$ )	50 mS	53 $\mu\text{s}/\text{s}$	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Time and Frequency	Equipment to Measure Timing Marks (into 50 $\Omega$ )	20 mS to 2 nS	2.5 $\mu\text{s}/\text{s}$	Fluke 5522A	OEM Manual GIDEP	F1, F2	F, O
Optical	Equipment to Source Optical Wavelength	375 nm to 1 700 nm	0.75 pm per $\mu\text{m}$	Bristol 771B Optical Spectrum Analyzer	OEM Manual GIDEP	F1, F2	F, O



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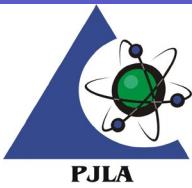
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Optical	Equipment to Source Optical Wavelength	1 $\mu$ m to 5 $\mu$ m	0.75 pm per $\mu$ m	Bristol 771B Optical Spectrum Analyzer	OEM Manual GIDEP	F1, F2	F, O
Optical	Equipment to Source Optical Wavelength	5 $\mu$ m to 12 $\mu$ m	1.0 pm per $\mu$ m	Bristol 771B Optical Spectrum Analyzer	OEM Manual GIDEP	F1, F2	F, O
Optical	Equipment Measure Optical Wavelength	850 nm to 1 610 nm	0.75 pm per $\mu$ m	Bristol 771B OSA/ Keysight 81662A Series	OEM Manual GIDEP	F1, F2	F, O
Optical	Equipment to Source Optical Power (@ 10 $\mu$ W)	1 310 nm	0.25 $\mu$ W	Keysight 81624B	OEM Manual GIDEP	F1, F2	F, O
Optical	Equipment to Source Optical Power (@ 10 $\mu$ W)	1 550 nm	0.25 $\mu$ W	Keysight 81624B	OEM Manual GIDEP	F1, F2	F, O
Optical	Equipment to Source Optical Power (@ -90 to +10 dBm)	1 000 nm to 1 630 nm	4 % + 5 pW	Keysight 81624B	OEM Manual GIDEP	F1, F2	F, O
Optical	Equipment to Measure Optical Power	1 310 / 1 550 nm @ 10 $\mu$ W	0.29 $\mu$ W	Keysight 81624B Keysight 81662A Series	OEM Manual GIDEP	F1, F2	F, O
Optical	Equipment to Measure Optical Power (-90 dBm to 10 mW)	1 000 nm to 1 630 nm	4.5 % + 5pW	Keysight 81624B Keysight 81662A Series	OEM Manual GIDEP	F1, F2	F, O



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## **Agile Calibration**

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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:

<b>Location</b>	<b>Location</b>
<b>Code</b>	
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.