



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Precision Measurement Inc.

630-C Anchors Street NW, Fort Walton Beach, FL 32548

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

ISO/IEC 17025:2017

& Meets the Requirements of ANSI/NC SL Z540-3

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

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

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

For PJLA:

Initial Accreditation Date:

Issue Date:

Expiration Date:

March 02, 2016

May 28, 2026

July 31, 2028

Accreditation No.:

Certificate No.:

76741

L26-449

Tracy Szerszen
President

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

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



Certificate of Accreditation: Supplement

Precision Measurement, Inc.

630-C Anchors Street NW, Fort Walton Beach, FL 32548
 Contact Name: David Haines Phone: 850-862-2200

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

| FIELD OF CALIBRATION | MEASURED INSTRUMENT, QUANTITY OR GAUGE | RANGE (AND SPECIFICATION WHERE APPROPRIATE) | EXPANDED MEASUREMENT UNCERTAINTY (\pm) ¹ | CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED | CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED | FLEX CODE | LOCATION OF ACTIVITY |
|----------------------|--|---|---|--|---|-----------|----------------------|
| Dimensional | Gage Blocks | 0.05 in to 4 in | (2.5 + 1L) μ in | Mitutoyo Gauge Blocks BEI-81-00A/A Gage Block Comparator | 33K6-4-1-1 | F1, F2 | F |
| Dimensional | Calipers (Digital) | 0.01 in to 24 in (Res. = 0.000 5 in) | (601 + 15L) μ in | Mitutoyo Gauge Blocks BEI-81-00A/A; 33K6-4-552-1 8E-LGBS; | 33K6-4-552-1 | F1, F2 | F, O |
| Dimensional | Calipers (Vernier) | 0.01 in to 24 in (Res. = 0.001) | (1 167 + 15L) μ in | Mitutoyo Gauge Blocks BEI-81-00A/A; 33K6-4-552-1 8E-LGBS; | 33K6-4-552-1 | F1, F2 | F, O |
| Dimensional | Micrometers (Digital) | 0.001 in to 6 in (Res. = 0.000 05 in) | (87 + 15L) μ in | Mitutoyo Gauge Blocks Optical Flats BEI-81-00A/A | 33K6-4-15-1 | F1, F2 | F, O |
| Dimensional | Micrometers (Vernier) | 0.01 in to 6 in (Res. = 0.000 1 in) | (1 157 + 15L) μ in | Mitutoyo Gauge Blocks Optical Flats BEI-81-00A/A | 33K6-4-15-1 | F1, F2 | F, O |
| Dimensional | Pin gage | 0.001 in to 4 in | (4.3 + 0.8L) μ in | Pratt & Whitney Lab Master Universal | 33K6-4-121-1 | F1, F2 | F |
| Dimensional | Pin gage | 4 in to 10 in | (21.3 + 0.8L) μ in | Pratt & Whitney Lab Master Universal | 33K6-4-121-1 | F1, F2 | F |
| Dimensional | Threaded Plug Gage (Major Diameter) | 0.05 in to 10 in 5 TPI to 80 TPI | (21.3 + 0.8L) μ in | Pratt and Whitney Super Micrometer, 30HS; NA17-20MD-141 | NA17-20MD-141 | F1, F2 | F |
| Dimensional | Threaded Plug Gage (Pitch Diameter) | 0.05 in to 10 in 5 TPI to 80 TPI | (21.6 + 0.8L) μ in | Pratt & Whitney Lab Master Universal, 30HS | NA17-20MD-141 | F1, F2 | F |
| Dimensional | Ring Gage (Plain) | 0.05 in to 12 in | (21.3 + 0.8L) μ in | Pratt & Whitney Lab Master Universal | 33K6-4-2-1 | F1, F2 | F |
| Dimensional | Ring Gage (Threaded) (Minor Pitch Diameter) | 0.05 in to 12 in | (21.3 + 0.8L) μ in | Pratt & Whitney Lab Master Universal | 33K6-4-2867-1 | F1, F2 | F |



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| Dimensional | Film Gages (Plastic Shims) | 0.000 5 in to 0.25 in | (4.3 + 0.8L) μ in | Pratt & Whitney Lab Master Universal | NA17-20MD-162 | F1, F2 | F |
| Dimensional | Crimpers (Die Check Crimp Height) | 0.011 in to 0.75 in | 140 μ in | Pin Gauges, Crimp Height Micrometer; CP00414 | 33K6-4-2867-1 | F1, F2 | F, O |
| Dimensional | Crimpers (Die Check Crimp Height) | 0.000 25 in to 1 in | 350 μ in | Pin Gauges, Crimp Height Micrometer; CP00414 | 33K6-4-2867-1 | F1, F2 | F, O |
| Dimensional | Height Gages | Up to 40 in | (158.5 + 1L) μ in | Gage blocks | 33K6-4-1626-1 | F1, F2 | F, O |
| Dimensional | Bore Gages (Micrometer & Indicator Type) | 0.25 in to 4 in | 320 μ in | Pratt & Whitney Lab Master Universal | 336K6-4-992-1 | F1, F2 | F |
| Dimensional | Bore Gages (Micrometer & Indicator Type) | 0.25 in to 12 in | (59.3 + 0.8L) μ in | Pratt & Whitney Lab Master Universal | 336K6-4-992-1 | F1, F2 | F |
| Dimensional | Dial Indicator | Up to 4in | (14.9 + 0.8L) μ in | Pratt & Whitney Lab Master Universal | 33K6-4-889-1 | F1, F2 | F |
| Dimensional | Digital Indicator | Up to 4 in | (6.1 + 0.8L) μ in | Pratt & Whitney Lab Master Universal | 33K6-4-889-1 | F1, F2 | F |
| Dimensional | Test Indicator | Up to 0.06 in | (116.3 + 0.8L) μ in | Pratt & Whitney Lab Master Universal | 33K6-4-889-1 | F1, F2 | F |
| Dimensional | Protractor (Digital) | Up to 360 ° | 0.72° | Indexing Table | 33K6-4-2949-1 | F1, F2 | F |
| Dimensional | Protractor (Analog) | Up to 360 ° | 5.9° | Indexing Table | 33K6-4-148-1 | F1, F2 | F |
| Dimensional | Angle Block | Up to 90 ° | 3.4° | Indexing Table, Sine Bar, Gage Blocks | 33K6-4-2847-1 | F1, F2 | F |
| Dimensional | Angle Gauge | Up to 90° | 0.15 ° | IMI VOP | I006P153 | F1, F2 | F |
| Dimensional | Radius Gage | Up to 4 in | 18 μ in | IMI VOP-I006P153 | 33K6-4-369-1 | F1, F2 | F |



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| Dimensional | Coating Thickness Meter | 0.01 in to 0.06 in | 76 μ m | Film Thickness Standards; DeFelsko 2535 | 33K6-4-369-1 manufacturer procedure | F1, F2 | F, O |
| Dimensional | End Rods | Up to 10 in | (21.3 + 0.8L) μ m | ULM | 33K6-4-369-1 | F1, F2 | F |
| Dimensional | End Rods | >10 in to 20 in | (41.5+1L) μ m | ULM | 33K6-4-369-1 | F1, F2 | F |
| Dimensional | Surface Plate (Flatness) | 10 in to 140 in | (23.7 + 1.2D) μ m | Leveling Heads | NA17-20MD-14 | F1, F2 | F, O |
| Dimensional | Surface Plate (Repeatability) | 0.002 in | 44 μ m | Repeat-O-Meter, Indicator | NA17-20MD-14 | F1, F2 | F, O |
| Electrical | Equipment to Output DC Voltage | 33 mV to 330 mV | 5.5 μ V/V + 1 μ V | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output DC Voltage | 0.33 V to 3.3 V | 4.2 μ V/V + 2 μ V | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output DC Voltage | 3.3 V to 33 V | 5.6 μ V/V + 20 μ V | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output DC Voltage | 33 V to 330 V | 6.4 μ V/V + 150 μ V | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output DC Voltage | 330 V to 1 000 V | 2.3 μ V/V + 1.5 mV | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure DC Voltage | Up to 120 mV | 11 μ V/V + 1.121 μ V | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure DC Voltage | 120 mV to 1.2 V | 10 μ V/V + 3.23 μ V | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure DC Voltage | 1.2 V to 12 V | 10 μ V/V + 28.99 μ V | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure DC Voltage | 12 V to 120 V | 12 μ V/V + 563.47 μ V | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure DC Voltage | 120 V to 1 050 V | 12 μ V/V + 7.65 mV | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |



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|----------------------|---|---|---|--|---|-----------|----------------------|
| Electrical | Equipment to Output AC Voltage (@ 10 Hz to 45 Hz) | 1 mV to 33 mV | 1 700 μ V/V + 6 μ V | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output AC Voltage (@ 45 Hz to 10 kHz) | 1 mV to 33 mV | 72.7 μ V/V + 6 μ V | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output AC Voltage (@ 10 kHz to 20 kHz) | 1 mV to 33 mV | 72.7 μ V/V + 6 μ V | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output AC Voltage (@ 20 kHz to 50 kHz) | 1 mV to 33 mV | 72.7 μ V/V + 6 μ V | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output AC Voltage (@ 50 kHz to 100 kHz) | 1 mV to 33 mV | 118.2 μ V/V + 12 μ V | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output AC Voltage (@ 100 kHz to 500 kHz) | 1 mV to 33 mV | 75.8 μ V/V + 50 μ V | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output AC Voltage (@ 10 Hz to 45 Hz) | 33 mV to 330 mV | 130.3 μ V/V + 8 μ V | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output AC Voltage (@ 45 Hz to 10 kHz) | 33 mV to 330 mV | 23 μ V/V + 8 μ V | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output AC Voltage (@ 10 kHz to 20 kHz) | 33 mV to 330 mV | 23 μ V/V + 8 μ V | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output AC Voltage (@ 20 kHz to 50 kHz) | 33 mV to 330 mV | 23 μ V/V + 8 μ V | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |



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| Electrical | Equipment to Output AC Voltage (@ 50 kHz to 100 kHz) | 33 mV to 330 mV | 36.4 μ V/V + 32 μ V | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output AC Voltage (@ 100 kHz to 500 kHz) | 33 mV to 330 mV | 197 μ V/V + 70 μ V | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output AC Voltage (@ 10 Hz to 45 Hz) | 0.33 V to 3.3 V | 121.2 μ V/V + 50 μ V | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output AC Voltage (@ 45 Hz to 10 kHz) | 0.33 V to 3.3 V | 19.1 μ V/V + 60 μ V | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output AC Voltage (@ 10 kHz to 20 kHz) | 0.33 V to 3.3 V | 21.2 μ V/V + 60 μ V | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output AC Voltage (@ 20 kHz to 50 kHz) | 0.33 V to 3.3 V | 33.3 μ V/V + 50 μ V | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output AC Voltage (@ 50 kHz to 100 kHz) | 0.33 V to 3.3 V | 54.5 μ V/V + 130 μ V | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output AC Voltage (@ 100 kHz to 500 kHz) | 0.33 V to 3.3 V | 512.2 μ V/V + 6 μ V | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output AC Voltage (@ 10 Hz to 45 Hz) | 3.3 V to 33 V | 121.2 μ V/V + 650 μ V | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output AC Voltage (@ 45 Hz to 10 kHz) | 3.3 V to 33 V | 30.3 μ V/V + 600 μ V | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |



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| Electrical | Equipment to Output AC Voltage (@ 10 kHz to 20 kHz) | 3.3 V to 33 V | 23.9 μ V/V + 600 μ V | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output AC Voltage (@ 20 kHz to 50 kHz) | 3.3 V to 33 V | 20.6 μ V/V + 600 μ V | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output AC Voltage (@ 50 kHz to 100 kHz) | 3.3 V to 33 V | 57.6 μ V/V + 1.6 mV | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output AC Voltage (@ 45 Hz to 1 kHz) | 33 V to 330 V | 28.2 μ V/V + 2 mV | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output AC Voltage (@ 1 kHz to 10 kHz) | 33 V to 330 V | 27.9 μ V/V + 6 mV | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output AC Voltage (@ 10 kHz to 20 kHz) | 33 V to 330 V | 25.2 μ V/V + 6 mV | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output AC Voltage (@ 20 kHz to 50 kHz) | 33 V to 330 V | 78.8 μ V/V + 6 mV | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output AC Voltage (@ 50 kHz to 100 kHz) | 33 V to 330 V | 48.5 μ V/V + 50 mV | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output AC Voltage (@ 45 Hz to 1 kHz) | 330 V to 1 020 V | 25.5 μ V/V + 10 mV | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output AC Voltage (@ 1 kHz to 5 kHz) | 330 V to 1 020 V | 25.5 μ V/V + 10 mV | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |



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| Electrical | Equipment to Output AC Voltage (@ 5 kHz to 10 kHz) | 330 V to 1 020 V | 27.5 μ V/V + 10 mV | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 1 Hz to 40 Hz) | Up to 12 mV | 0.302 μ V/mV + 5.8 μ V | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 40 Hz to 1 kHz) | Up to 12 mV | 0.202 μ V/mV + 3.9 μ V | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 1 kHz to 20 kHz) | Up to 12 mV | 0.302 μ V/mV + 3.9 μ V | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 20 kHz to 50 kHz) | Up to 12 mV | 1 μ V/mV + 3.9 μ V | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 50 kHz to 100 kHz) | Up to 12 mV | 5 μ V/mV + 3.9 μ V | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 100 kHz to 300 kHz) | Up to 12 mV | 40 μ V/mV + 4.8 μ V | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 300 kHz to 1 MHz) | Up to 12 mV | 12 μ V/mV + 7.8 μ V | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 1 MHz to 4 MHz) | Up to 12 mV | 70 μ V/mV + 9.8 μ V | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 4 MHz to 8 MHz) | Up to 12 mV | 200 μ V/mV + 10.8 μ V | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |



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| Electrical | Equipment to Measure AC Voltage (@ 1 Hz to 40 Hz) | 12 mV to 120 mV | 0.072 μ V/mV + 9.71 μ V | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 40 Hz to 1 kHz) | 12 mV to 120 mV | 0.072 μ V/mV + 7.71 μ V | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 1 kHz to 20 kHz) | 12 mV to 120 mV | 0.142 μ V/mV + 7.71 μ V | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 20 kHz to 50 kHz) | 12 mV to 120 mV | 0.302 μ V/mV + 7.71 μ V | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 50 kHz to 100 kHz) | 12 mV to 120 mV | 0.802 μ V/mV + 7.71 μ V | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 100 kHz to 300 kHz) | 12 mV to 120 mV | 3 μ V/mV + 15.71 μ V | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 300 kHz to 1 MHz) | 12 mV to 120 mV | 10 μ V/mV + 15.71 μ V | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 1 MHz to 2 MHz) | 12 mV to 120 mV | 15 μ V/mV + 15.71 μ V | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 2 MHz to 4 MHz) | 12 mV to 120 mV | 40 μ V/mV + 75.71 μ V | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 4 MHz to 8 MHz) | 12 mV to 120 mV | 40 μ V/mV + 85.71 μ V | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |



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| Electrical | Equipment to Measure AC Voltage (@ 8 MHz to 10 MHz) | 12 mV to 120 mV | 150 μ V/mV + 105.71 μ V | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 1 Hz to 40 Hz) | 120 mV to 1.2 V | 72 μ V/V + 90 μ V | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 40 Hz to 1 kHz) | 120 mV to 1.2 V | 72 μ V/V + 70 μ V | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 1 kHz to 20 kHz) | 120 mV to 1.2 V | 142 μ V/V + 70 μ V | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 20 kHz to 50 kHz) | 120 mV to 1.2 V | 302 μ V/V + 70 μ V | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 50 kHz to 100 kHz) | 120 mV to 1.2 V | 802 μ V/V + 70 μ V | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 100 kHz to 300 kHz) | 120 mV to 1.2 V | 3 mV/V + 150 μ V | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 300 kHz to 1 MHz) | 120 mV to 1.2 V | 10 mV/V + 150 μ V | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 1 MHz to 2 MHz) | 120 mV to 1.2 V | 15 mV/V + 150 μ V | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 2 MHz to 4 MHz) | 120 mV to 1.2 V | 40 mV/V + 0.75 mV | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |



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Precision Measurement, Inc.

630-C Anchors Street NW, Fort Walton Beach, FL 32548

Contact Name: David Haines Phone: 850-862-2200

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|----------------------|--|---|---|--|---|-----------|----------------------|
| Electrical | Equipment to Measure AC Voltage (@ 4 MHz to 8 MHz) | 120 mV to 1.2 V | 40 mV/V + 0.85 mV | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 8 MHz to 10 MHz) | 120 mV to 1.2 V | 150 mV/V + 1.05 mV | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 1 Hz to 40 Hz) | 1.2 V to 12 V | 72 μ V/V + 892 μ V | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 40 Hz to 1 kHz) | 1.2 V to 12 V | 72 μ V/V + 692 μ V | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 1 kHz to 20 kHz) | 1.2 V to 12 V | 142 μ V/V + 692 μ V | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 20 kHz to 50 kHz) | 1.2 V to 12 V | 302 μ V/V + 692 μ V | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 50 kHz to 100 kHz) | 1.2 V to 12 V | 802 μ V/V + 692 μ V | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 100 kHz to 300 kHz) | 1.2 V to 12 V | 3 mV/V + 1.5 mV | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 300 kHz to 1 MHz) | 1.2 V to 12 V | 10 mV/V + 1.52 mV | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 1 MHz to 2 MHz) | 1.2 V to 12 V | 15 mV/V + 1.5 mV | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |



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|----------------------|--|---|---|--|---|-----------|----------------------|
| Electrical | Equipment to Measure AC Voltage (@ 2 MHz to 4 MHz) | 1.2 V to 12 V | 40 mV/V + 7.5 mV | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 4 MHz to 8 MHz) | 1.2 V to 12 V | 40 mV/V + 8.5 mV | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 8 MHz to 10 MHz) | 1.2 V to 12 V | 150 mV/V + 10.5 mV | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 1 Hz to 40 Hz) | 12 V to 120 V | 202 μ V/V + 12.4 mV | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 40 Hz to 1 kHz) | 12 V to 120 V | 202 μ V/V + 10.4 mV | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 1 kHz to 20 kHz) | 12 V to 120 V | 202 μ V/V + 10.4 mV | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 20 kHz to 50 kHz) | 12 V to 120 V | 352 μ V/V + 10.4 mV | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 50 kHz to 100 kHz) | 12 V to 120 V | 1.2 mV/V + 10.4 mV | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 100 kHz to 300 kHz) | 12 V to 120 V | 4 mV/V + 18.4 mV | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 300 kHz to 1 MHz) | 12 V to 120 V | 15 mV/V + 18.4 mV | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |



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|----------------------|---|---|---|--|---|-----------|----------------------|
| Electrical | Equipment to Measure AC Voltage (@ 1 Hz to 40 Hz) | 120 V to 700 V | 402 μ V/V + 117.1 mV | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 40 Hz to 1 kHz) | 120 V to 700 V | 402 μ V/V + 97.1 mV | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 1 kHz to 20 kHz) | 120 V to 700 V | 602 μ V/V + 97.1 mV | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 20 kHz to 50 kHz) | 120 V to 700 V | 1.2 mV/V + 97.1 mV | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Voltage (@ 50 kHz to 100 kHz) | 120 V to 700 V | 3 mV/V + 97.1 mV | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Output AC Current (@ 45 Hz to 1 kHz) | 29 μ A to 330 μ A | 697 μ A/A + 0.1 μ A | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output AC Current (@ 1 kHz to 5 kHz) | 29 μ A to 330 μ A | 1 500 μ A/A + 0.2 μ A | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output AC Current (@ 45 Hz to 1 kHz) | 0.33 mA to 3.3 mA | 757.6 μ A/A + .1 μ A | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output AC Current (@ 1 kHz to 5 kHz) | 0.33 mA to 3.3 mA | 757.6 μ A/A + .2 μ A | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output AC Current (@ 45 Hz to 1 kHz) | 3.3 mA to 33 mA | 757.6 μ A/A + 2 μ A | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |



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|----------------------|---|---|---|--|---|-----------|----------------------|
| Electrical | Equipment to Output AC Current (@ 1 kHz to 5 kHz) | 3.3 mA to 33 mA | 878.8 μ A/A + 2 μ A | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output AC Current (@ 45 Hz to 1 kHz) | 33 mA to 330 mA | 1.1 mA/A + 20 μ A | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output AC Current (@ 1 kHz to 5 kHz) | 33 mA to 330 mA | 4.2 mA/A + 50 μ A | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output AC Current (@ 45 Hz to 1 kHz) | 0.33 A to 1.1 A | 745.5 μ A/A + 100 μ A | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output AC Current (@ 1 kHz to 5 kHz) | 0.33 A to 1.1 A | 4.1 mA/A + 1 mA | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output AC Current (@ 45 Hz to 1 kHz) | 1.1 A to 3 A | 933.3 μ A/A + 100 μ A | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output AC Current (@ 1 kHz to 5 kHz) | 1.1 A to 3 A | 966.7 μ A/A + 1 mA | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output AC Current (@ 45 Hz to 1 kHz) | 3 A to 11 A | 281.8 μ A/A + 2 mA | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output AC Current (@ 1 kHz to 5 kHz) | 3 A to 11 A | 1.5 mA/A + 2 mA | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output AC Current (@ 45 Hz to 1 kHz) | 11 A to 20.5 A | 4.8 mA/A + 5 mA | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |



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|----------------------|---|---|---|--|---|-----------|----------------------|
| Electrical | Equipment to Output AC Current (@ 1 kHz to 5 kHz) | 11 A to 20.5 A | 4.8 mA/A + 5 mA | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Current (@ 10 Hz to 20 Hz) | Up to 120 μ A | 4 nA/ μ A + 62 nA | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Current (@ 20 Hz to 45 Hz) | Up to 120 μ A | 1.5 nA/ μ A + 62 nA | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Current (@ 45 Hz to 100 Hz) | Up to 120 μ A | 0.602 nA/ μ A + 62 nA | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Current (@ 100 Hz to 1 kHz) | Up to 120 μ A | 0.602 nA/ μ A + 62 nA | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Current (@ 10 Hz to 20 Hz) | 120 μ A to 1.2 mA | 4 μ A/mA + 321 nA | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Current (@ 20 Hz to 45 Hz) | 120 μ A to 1.2 mA | 1.5 μ A/mA + 321 nA | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Current (@ 45 Hz to 100 Hz) | 120 μ A to 1.2 mA | 0.602 μ A/mA + 321 nA | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Current (@ 100 Hz to 5 kHz) | 120 μ A to 1.2 mA | 0.302 μ A/mA + 321 nA | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Current (@ 5 kHz to 20 kHz) | 120 μ A to 1.2 mA | 0.602 μ A/mA + 321 nA | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |



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|----------------------|---|---|---|--|---|-----------|----------------------|
| Electrical | Equipment to Measure AC Current (@ 20 kHz to 50 kHz) | 120 μ A to 1.2 mA | 4 μ A/mA + 521 nA | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Current (@ 50 kHz to 100 kHz) | 120 μ A to 1.2 mA | 5.5 μ A/mA + 1.621 mA | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Current (@ 10 Hz to 20 Hz) | 1.2 mA to 12 mA | 4 μ A/mA + 3.91 μ A | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Current (@ 20 Hz to 45 Hz) | 1.2 mA to 12 mA | 1.5 μ A/mA + 3.91 μ A | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Current (@ 45 Hz to 100 Hz) | 1.2 mA to 12 mA | 0.605 μ A/mA + 3.91 μ A | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Current (@ 100 Hz to 5 kHz) | 1.2 mA to 12 mA | 0.305 μ A/mA + 3.91 μ A | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Current (@ 5 kHz to 20 kHz) | 1.2 mA to 12 mA | 0.605 μ A/mA + 3.91 μ A | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Current (@ 20 kHz to 50 kHz) | 1.2 mA to 12 mA | 4 μ A/mA + 5.91 μ A | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Current (@ 50 kHz to 100 kHz) | 1.2 mA to 12 mA | 5.5 μ A/mA + 16.91 μ A | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Current (@ 10 Hz to 20 Hz) | 12 mA to 120 mA | 4 μ A/mA + 40.1 μ A | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |



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|----------------------|---|---|---|--|---|-----------|----------------------|
| Electrical | Equipment to Measure AC Current (@ 20 Hz to 45 Hz) | 12 mA to 120 mA | 1.5 μ A/mA + 40.1 μ A | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Current (@ 45 Hz to 100 Hz) | 12 mA to 120 mA | 0.605 μ A/mA + 40.1 μ A | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Current (@ 100 Hz to 5 kHz) | 12 mA to 120 mA | 0.305 μ A/mA + 40.1 μ A | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Current (@ 5 kHz to 20 kHz) | 12 mA to 120 mA | 0.605 μ A/mA + 40.1 μ A | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Current (@ 20 kHz to 50 kHz) | 12 mA to 120 mA | 4 μ A/mA + 60.1 μ A | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Current (@ 50 kHz to 100 kHz) | 12 mA to 120 mA | 5.5 μ A/mA + 170.1 μ A | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Current (@ 10 Hz to 20 Hz) | 120 mA to 1.2 A | 4 mA/A + 410 μ A | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Current (@ 20 Hz to 45 Hz) | 120 mA to 1.2 A | 1.6 mA/A + 410 μ A | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Current (@ 45 Hz to 100 Hz) | 120 mA to 1.2 A | 0.805 mA/A + 410 μ A | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Current (@ 100 Hz to 5 kHz) | 120 mA to 1.2 A | 1 mA/A + 410 μ A | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |



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|----------------------|--|---|---|--|---|-----------|----------------------|
| Electrical | Equipment to Measure AC Current (@ 5 kHz to 20 kHz) | 120 mA to 1.2 A | 3 mA/A + 410 μ A | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure AC Current (@ 20 kHz to 50 kHz) | 120 mA to 1.2 A | 10 mA/A + 610 μ A | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure DC Current | Up to 120 nA | 35 μ A/A + 0.268 nA | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure DC Current | 120 nA to 1.2 μ A | 25 μ A/A + 0.272 nA | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure DC Current | 1.2 μ A to 12 μ A | 25 μ A/A + 0.463 nA | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure DC Current | 12 μ A to 120 μ A | 25 μ A/A + 2.708 nA | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure DC Current | 120 μ A to 1.2 mA | 25 μ A/A + 21 nA | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure DC Current | 1.2 mA to 12 mA | 25 μ A/A + 213 nA | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure DC Current | 12 mA to 120 mA | 40 μ A/A + 2.84 μ A | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure DC Current | 120 mA to 1.05 A | 115 μ A/A + 59 μ A | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Output DC Current | 33 μ A to 330 μ A | 3.6 μ A/A + 0.02 μ A | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output DC Current | 0.33 mA to 3.3 mA | 15.2 mA/A + 0.05 μ A | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output DC Current | 3.3 mA to 33 mA | 14.2 mA/A + 0.25 μ A | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output DC Current | 33 mA to 330 mA | 757.6 μ A/A + 2.5 μ A | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |



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|----------------------|--|---|---|--|---|-----------|----------------------|
| Electrical | Equipment to Output DC Current | 330 mA to 1.1 A | 200 μ A/A + 64 μ A | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output DC Current | 1.1 A to 3 A | 380 μ A/A + 290 μ A | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output DC Current | 3 A to 11 A | 0.5 mA/A + 1.3 mA | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output DC Current | 11 A to 20 A | 1 mA/A + 2.46 mA | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output DC Resistance | 1 Ω to 11 Ω | 12.7 $\mu\Omega/\Omega$ + 1 m Ω | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output DC Resistance | 11 Ω to 33 Ω | 30.3 $\mu\Omega/\Omega$ + 1.5 m Ω | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output DC Resistance | 33 Ω to 110 Ω | 11.8 $\mu\Omega/\Omega$ + 1.4 m Ω | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output DC Resistance | 110 Ω to 330 Ω | 7.6 $\mu\Omega/\Omega$ + 2 m Ω | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output DC Resistance | 0.33 k Ω to 1.1 k Ω | 9.6 $\mu\Omega/\Omega$ + 2 m Ω | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output DC Resistance | 1.1 k Ω to 3.3 k Ω | 7.9 $\mu\Omega/\Omega$ + 20 m Ω | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output DC Resistance | 3.3 k Ω to 11 k Ω | 7.5 $\mu\Omega/\Omega$ + 20 m Ω | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output DC Resistance | 11 k Ω to 33 k Ω | 4.8 $\mu\Omega/\Omega$ + 200 m Ω | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output DC Resistance | 33 k Ω to 110 k Ω | 2.3 $\mu\Omega/\Omega$ + 200 m Ω | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output DC Resistance | 110 k Ω to 330 k Ω | 14.2 $\mu\Omega/\Omega$ + 2 Ω | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output DC Resistance | 0.33 M Ω to 1.1 M Ω | 11.8 $\mu\Omega/\Omega$ + 2 Ω | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |



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Precision Measurement, Inc.

630-C Anchors Street NW, Fort Walton Beach, FL 32548

Contact Name: David Haines Phone: 850-862-2200

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| Electrical | Equipment to Output DC Resistance | 1.1 M Ω to 3.3 M Ω | 60.6 $\mu\Omega/\Omega$ + 30 Ω | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output DC Resistance | 3.3 M Ω to 11 M Ω | 42.7 $\mu\Omega/\Omega$ + 50 Ω | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output DC Resistance | 11 M Ω to 33 M Ω | 363.6 $\mu\Omega/\Omega$ + 2.5 k Ω | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output DC Resistance | 33 M Ω to 110 M Ω | 35.5 $\mu\Omega/\Omega$ + 3 k Ω | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output DC Resistance | 110 M Ω to 330 M Ω | 293.9 $\mu\Omega/\Omega$ + 100 k Ω | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output DC Resistance | 0.33 G Ω to 1.1 G Ω | 5.4 m Ω/Ω + 500 k Ω | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure Resistance | Up to 12 Ω | 18 $\mu\Omega/\Omega$ + 334 $\mu\Omega$ | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure Resistance | 12 Ω to 120 Ω | 15 $\mu\Omega/\Omega$ + 1 384 $\mu\Omega$ | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure Resistance | 120 Ω to 1.2 k Ω | 13 $\mu\Omega/\Omega$ + 8 500 $\mu\Omega$ | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure Resistance | 1.2 k Ω to 12 k Ω | 13 $\mu\Omega/\Omega$ + 102.8 m Ω | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure Resistance | 12 k Ω to 120 k Ω | 13 $\mu\Omega/\Omega$ + 1.47 Ω | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure Resistance | 120 k Ω to 1.2 M Ω | 18 $\mu\Omega/\Omega$ + 10 Ω | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure Resistance | 1.2 M Ω to 12 M Ω | 53 $\mu\Omega/\Omega$ + 267 Ω | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure Resistance | 12 M Ω to 120 M Ω | 503 $\mu\Omega/\Omega$ + 25.491 k Ω | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |
| Electrical | Equipment to Measure Resistance | 120 M Ω to 1.2 G Ω | 5 003 $\mu\Omega/\Omega$ + 5.104 M Ω | HP 3458A | 33K8-4-551-1 | F1, F2 | F, O |



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| Electrical | Equipment to Output Capacitance (@ 10 Hz to 10 kHz) | 0.19 nF to 0.399 9 nF | 7.5 mF/F + 0.01 nF | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output Capacitance (@ 10 Hz to 10 kHz) | 0.4 nF to 1.099 9 nF | 127.4 mF/F + 0.01 nF | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output Capacitance (@ 10 Hz to 3 kHz) | 1.1 nF to 3.299 9 nF | 7.9 mF/F + 0.01 nF | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output Capacitance (@ 10 Hz to 1 kHz) | 3.3 nF to 10.999 9 nF | 12.7 mF/F + 0.01 nF | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output Capacitance (@ 10 Hz to 1 kHz) | 11 nF to 32.999 9 nF | 7.9 mF/F + 0.1 nF | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output Capacitance (@ 10 Hz to 1 kHz) | 33 nF to 109.999 nF | 1.5 mF/F + 0.1 nF | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output Capacitance (@ 10 Hz to 1 kHz) | 110 nF to 329.999 nF | 848.7 μ F/F + 0.3 nF | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output Capacitance (@ 10 Hz to 600 Hz) | 0.33 μ F to 1.099 99 μ F | 127.4 μ F/F + 1 nF | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output Capacitance (@ 10 Hz to 300 Hz) | 1.1 μ F to 3.299 99 μ F | 6.1 mF/F + 3 nF | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output Capacitance (@ 10 Hz to 150 Hz) | 3.3 μ F to 10.999 9 μ F | 1 mF/F + 10 nF | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |



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| Electrical | Equipment to Output Capacitance (@ 10 Hz to 120 Hz) | 11 μ F to 32.999 9 μ F | 606.2 μ F/F + 30 nF | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output Capacitance (@ 10 Hz to 80 Hz) | 33 μ F to 109.999 μ F | 1.5 mF/F + 0.1 μ F | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output Capacitance (@ Up to 50 Hz) | 110 μ F to 329.999 μ F | 1.6 mF/F + 0.1 μ F | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output Capacitance (@ Up to 20 Hz) | 0.33 mF to 1.099 99 mF | 1.1 mF/F + 1 μ F | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output Capacitance (@ Up to 6 Hz) | 1.1 mF to 3.299 9 mF | 363.7 μ F/F + 3 μ F | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output Capacitance (@ Up to 2 Hz) | 3.3 mF to 10.999 9 mF | 1.1 mF/F + 10 μ F | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output Capacitance (@ Up to 0.6 Hz) | 11 mF to 32.999 9 mF | 3.6 mF/F + 30 μ F | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output Capacitance (@ Up to 0.2 Hz) | 33 mF to 110 mF | 1.1 mF/F + 100 μ F | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Temperature Calibration, Indication, and Control Equipment using Thermocouple Type E | -250 °C to -100 °C | 2.1 x 10 ⁻¹ °C | Fluke 5520A/ SC600 Electrical Simulation of Thermocouple Output | 33K5-4-562-1 | F1, F2 | F, O |



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| Electrical | Temperature Calibration, Indication, and Control Equipment using Thermocouple Type E | -100 °C to -25 °C | 1.9 x 10 ⁻¹ °C | Fluke 5520A/ SC600 Electrical Simulation of Thermocouple Output | 33K5-4-562-1 | F1, F2 | F, O |
| Electrical | Temperature Calibration, Indication, and Control Equipment using Thermocouple Type E | -25 °C to 350 °C | 1.9 x 10 ⁻¹ °C | Fluke 5520A/ SC600 Electrical Simulation of Thermocouple Output | 33K5-4-562-1 | F1, F2 | F, O |
| Electrical | Temperature Calibration, Indication, and Control Equipment using Thermocouple Type E | 350 °C to 650 °C | 1.9 x 10 ⁻¹ °C | Fluke 5520A/ SC600 Electrical Simulation of Thermocouple Output | 33K5-4-562-1 | F1, F2 | F, O |
| Electrical | Temperature Calibration, Indication, and Control Equipment using Thermocouple Type E | 650 °C to 1 000 °C | 1.9 x 10 ⁻¹ °C | Fluke 5520A/ SC600 Electrical Simulation of Thermocouple Output | 33K5-4-562-1 | F1, F2 | F, O |
| Electrical | Temperature Calibration, Indication, and Control Equipment using Thermocouple Type J | -210 °C to -100 °C | 2.2 x 10 ⁻¹ °C | Fluke 5520A/ SC600 Electrical Simulation of Thermocouple Output | 33K5-4-562-1 | F1, F2 | F, O |
| Electrical | Temperature Calibration, Indication, and Control Equipment using Thermocouple Type J | -100 °C to -30 °C | 2.2 x 10 ⁻¹ °C | Fluke 5520A/ SC600 Electrical Simulation of Thermocouple Output | 33K5-4-562-1 | F1, F2 | F, O |



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| Electrical | Temperature Calibration, Indication, and Control Equipment using Thermocouple Type J | -30 °C to 150 °C | 2.0×10^{-1} °C | Fluke 5520A/ SC600 Electrical Simulation of Thermocouple Output | 33K5-4-562-1 | F1, F2 | F, O |
| Electrical | Temperature Calibration, Indication, and Control Equipment using Thermocouple Type J | 150 °C to 760 °C | 1.9×10^{-1} °C | Fluke 5520A/ SC600 Electrical Simulation of Thermocouple Output | 33K5-4-562-1 | F1, F2 | F, O |
| Electrical | Temperature Calibration, Indication, and Control Equipment using Thermocouple Type J | 760 °C to 1 200 °C | 1.8×10^{-1} °C | Fluke 5520A/ SC600 Electrical Simulation of Thermocouple Output | 33K5-4-562-1 | F1, F2 | F, O |
| Electrical | Temperature Calibration, Indication, and Control Equipment using Thermocouple Type K | -200 °C to -100 °C | 4.5×10^{-1} °C | Fluke 5520A/ SC600 Electrical Simulation of Thermocouple Output | 33K5-4-562-1 | F1, F2 | F, O |
| Electrical | Temperature Calibration, Indication, and Control Equipment using Thermocouple Type K | -100 °C to -25 °C | 1.8×10^{-1} °C | Fluke 5520A/ SC600 Electrical Simulation of Thermocouple Output | 33K5-4-562-1 | F1, F2 | F, O |
| Electrical | Temperature Calibration, Indication, and Control Equipment using Thermocouple Type K | -25 °C to 120 °C | 1.7×10^{-1} °C | Fluke 5520A/ SC600 Electrical Simulation of Thermocouple Output | 33K5-4-562-1 | F1, F2 | F, O |



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| Electrical | Temperature Calibration, Indication, and Control Equipment using Thermocouple Type K | 120 °C to 1 000 °C | 1.7 x 10 ⁻¹ °C | Fluke 5520A/ SC600 Electrical Simulation of Thermocouple Output | 33K5-4-562-1 | F1, F2 | F, O |
| Electrical | Temperature Calibration, Indication, and Control Equipment using Thermocouple Type S | 1 000 °C to 1 372 °C | 2.0 x 10 ⁻¹ °C | Fluke 5520A/ SC600 Electrical Simulation of Thermocouple Output | 33K5-4-562-1 | F1, F2 | F, O |
| Electrical | Temperature Calibration, Indication, and Control Equipment using Thermocouple Type S | 0 °C to 250 °C | 1.2 °C | Fluke 5520A/ SC600 Electrical Simulation of Thermocouple Output | 33K5-4-562-1 | F1, F2 | F, O |
| Electrical | Temperature Calibration, Indication, and Control Equipment using Thermocouple Type S | 250 °C to 1 000 °C | 1.2 °C | Fluke 5520A/ SC600 Electrical Simulation of Thermocouple Output | 33K5-4-562-1 | F1, F2 | F, O |
| Electrical | Temperature Calibration, Indication, and Control Equipment using Thermocouple Type S | 1 000 °C to 1 400 °C | 1.4 °C | Fluke 5520A/ SC600 Electrical Simulation of Thermocouple Output | 33K5-4-562-1 | F1, F2 | F, O |
| Electrical | Temperature Calibration, Indication, and Control Equipment using Thermocouple Type S | 1 400 °C to 1 767 °C | 1.3 °C | Fluke 5520A/ SC600 Electrical Simulation of Thermocouple Output | 33K5-4-562-1 | F1, F2 | F, O |



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| Electrical | Temperature Calibration, Indication, and Control Equipment using Thermocouple Type T | -250 °C to -150 °C | 2.2×10^{-1} °C | Fluke 5520A/ SC600 Electrical Simulation of Thermocouple Output | 33K5-4-562-1 | F1, F2 | F, O |
| Electrical | Temperature Calibration, Indication, and Control Equipment using Thermocouple Type T | -150 °C to 0 °C | 1.3×10^{-1} °C | Fluke 5520A/ SC600 Electrical Simulation of Thermocouple Output | 33K5-4-562-1 | F1, F2 | F, O |
| Electrical | Temperature Calibration, Indication, and Control Equipment using Thermocouple Type T | 0 °C to 120 °C | 1.3×10^{-1} °C | Fluke 5520A/ SC600 Electrical Simulation of Thermocouple Output | 33K5-4-562-1 | F1, F2 | F, O |
| Electrical | Temperature Calibration, Indication, and Control Equipment using Thermocouple Type T | 120 °C to 400 °C | 1.8×10^{-1} °C | Fluke 5520A/ SC600 Electrical Simulation of Thermocouple Output | 33K5-4-562-1 | F1, F2 | F, O |
| Electrical | Equipment to Output Phase Angle (@ 10 Hz to 65 Hz) | 0 ° | 7.2×10^{-2} ° | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output Phase Angle (@ 65 Hz to 500 Hz) | 0 ° | 7.4×10^{-2} ° | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output Phase Angle (@ 500 Hz to 1 kHz) | 0 ° | 7.5×10^{-2} ° | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |



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| Electrical | Equipment to Output Phase Angle (@ 1 kHz to 5 kHz) | 0 ° | $8.5 \times 10^{-2} \text{ °}$ | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output Phase Angle (@ 5 kHz to 10 kHz) | 0 ° | $8.5 \times 10^{-2} \text{ °}$ | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Equipment to Output Phase Angle (@ 10 kHz to 30 kHz) | 0 ° | $2.2 \times 10^{-1} \text{ °}$ | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Electrical | Oscilloscopes (Level Sine Amp) (@ 50 kHz to 600 MHz) | 10 mV (p-p) to 5 V (p-p) | $1.7 \times 10^{-3} \text{ V (p-p)}$ | Fluke 5520A/ SC600 | 33K3-4-3368-1 | F1, F2 | F, O |
| Electrical | Oscilloscopes (DC Signal Level) | 1 mV to 6.6 V | $5.8 \times 10^{-3} \text{ V}$ | Fluke 5520A/ SC600 | 33K3-4-3368-1 | F1, F2 | F, O |
| Electrical | Oscilloscopes (DC Signal Level) | 6.6 V to 130 V | $2.6 \times 10^{-5} \text{ V}$ | Fluke 5520A/ SC600 | 33K3-4-3368-1 | F1, F2 | F, O |
| Electrical | Oscilloscopes (Generate Square Wave) (@ 0.01 kHz to 10 kHz) (@ 50 Ω) | 1 mV (p-p) to 6.6 V (p-p) | $2.5 \times 10^{-3} \text{ V (p-p)}$ | Fluke 5520A/ SC600 | 33K3-4-3368-1 | F1, F2 | F, O |
| Electrical | Oscilloscopes (Generate Square Wave) (@ 0.01 kHz to 1 kHz) (@ 1 MΩ) | 1 mV (p-p) to 130 V (p-p) | $4.3 \times 10^{-2} \text{ V (p-p)}$ | Fluke 5520A/ SC600 | 33K3-4-3368-1 | F1, F2 | F, O |
| Electrical | Oscilloscopes (Generate Square Wave) (@ 1 kHz to 10 kHz) (@ 1 MΩ) | 1 mV (p-p) to 130 V (p-p) | $3.8 \times 10^{-3} \text{ V (p-p)}$ | Fluke 5520A/ SC600 | 33K3-4-3368-1 | F1, F2 | F, O |



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| Mass, Force, and Weighing Devices | Balance/ Scales | 0.001 g to 60 g | 63 μ g | Rice Lake Class 2 Weights | 33K6-4-3356-1 | F1, F2 | F |
| Mass, Force, and Weighing Devices | Balance/ Scales | 60 g to 220 g | 0.70 mg | Rice Lake Class 2 Weights | 33K6-4-3356-1 | F1, F2 | F |
| Mass, Force, and Weighing Devices | Balance/ Scales | 220 g to 1 kg | 12 mg | Rice Lake Class 2 Weights | 33K6-4-3356-1 | F1, F2 | F |
| Mass, Force, and Weighing Devices | Balance/ Scales | 1 kg to 25 kg | 120 mg | Rice Lake Class 2 Weights | 33K6-4-3356-1 | F1, F2 | F |
| Mass, Force, and Weighing Devices | Mass/ Weights (NIST Handbook 105-1 Class F) | 1 mg to 60 g | 52 μ g | Radwag AS60/ 220.R2 | 33K6-4-3607-1 | F1, F2 | F |
| Mass, Force, and Weighing Devices | Mass/ Weights (NIST Handbook 105-1 Class F) | 60 g to 200 g | 150 μ g | Radwag AS60/ 220.R2 | 33K6-4-3607-1 | F1, F2 | F |
| Mass, Force, and Weighing Devices | Mass/ Weights (NIST Handbook 105-1 Class F) | 200 g to 1 000 g | 12 mg | Radwag PS1 000.R1 | 33K6-4-3607-1 | F1, F2 | F |
| Mass, Force, and Weighing Devices | Mass/ Weights (NIST Handbook 105-1 Class F) | 1 000 g to 25 kg | 120 mg | Radwag APP25/ 2C | 33K6-4-3607-1 | F1, F2 | F |
| Mass, Force, and Weighing Devices | Force Gage (Compression) | 0.03 lbf to 50 lbf | 0.01 lbf | Weights Class F, Load Cells | 33K6-4-433-1, 33K6-4-3196-1 | F1, F2 | F, O |
| Mass, Force, and Weighing Devices | Force Gage (Compression) | >50 lbf to 1 000 lbf | 0.21 lbf | Weights Class F, Load Cells | 33K6-4-433-1, 33K6-4-3196-1 | F1, F2 | F, O |



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| FIELD OF CALIBRATION | MEASURED INSTRUMENT, QUANTITY OR GAUGE | RANGE (AND SPECIFICATION WHERE APPROPRIATE) | EXPANDED MEASUREMENT UNCERTAINTY (\pm) ¹ | CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED | CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED | FLEX CODE | LOCATION OF ACTIVITY |
|-----------------------------------|--|---|---|--|---|-----------|----------------------|
| Mass, Force, and Weighing Devices | Force Gage (Compression) | >1 000 lbf to 10 000 lbf | 11 lbf | Weights Class F, Load Cells | 33K6-4-433-1, 33K6-4-3196-1 | F1, F2 | F, O |
| Mass, Force, and Weighing Devices | Force Gage (Compression) | >10 000 lbf to 25 000 lbf | 55 lbf | Weights Class F, Load Cells | 33K6-4-433-1, 33K6-4-3196-1 | F1, F2 | F, O |
| Mass, Force, and Weighing Devices | Force Gage (Tension) | 0.03 lbf to 50 lbf | 0.01 lbf | Weights Class F, Load Cells | 33K6-4-433-1, 33K6-4-3196-1 | F1, F2 | F, O |
| Mass, Force, and Weighing Devices | Force Gage (Tension) | >50 lbf to 1 000 lbf | 0.78 lbf | Weights Class F, Load Cells | 33K6-4-433-1, 33K6-4-3196-1 | F1, F2 | F, O |
| Mass, Force, and Weighing Devices | Force Gage (Tension) | > 1 000 lbf to 10 000 lbf | 11 lbf | Weights Class F, Load Cells | 33K6-4-433-1, 33K6-4-3196-1 | F1, F2 | F, O |
| Mass, Force, and Weighing Devices | Force Gage (Tension) | >10 000 lbf to 20 000 lbf | 54 lbf | Weights Class F, Load Cells | 33K6-4-433-1, 33K6-4-3196-1 | F1, F2 | F, O |
| Mechanical | Vacuum Gauge | -29.5 inHg to 0 inHg | 0.13 inHg | Crystal Digital Test Gauge | 33K6-4-1792-1 | F1, F2 | F, O |
| Mechanical | Vacuum Gauge | -14.69 psi to -0.2 psi | 25 μ psi/psi + 692 μ psi | Piston Gauge | 33K6-4-314-1, 33K6-4-427-1 | F1, F2 | F |
| Mechanical | Vacuum Gauge | -0.2 psi to 1 000 psi | 25 μ psi/psi + 692 μ psi | Piston Gauge | 33K6-4-314-1, 33K6-4-427-1 | F1, F2 | F |
| Mechanical | Pressure Gauge | 10 psi to 100 psi | 0.02 psi | Additel Pressure Standard ADT160A-02-GP100-PSI-N | 33K6-4-314-1, 33K6-4-427-1 | F1, F2 | F, O |
| Mechanical | Pressure Gauge | 30 psi to 300 psi | 0.05 psi | Additel Pressure Standard ADT 161A-02-GP300PSI-N | 33K6-4-314-1, 33K6-4-427-1 | F1, F2 | F, O |



Certificate of Accreditation: Supplement

Precision Measurement, Inc.

630-C Anchors Street NW, Fort Walton Beach, FL 32548
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| Mechanical | Pressure Gauge | 200 psi to 2 000 psi | 0.43 psi | Additel Pressure Standard ADT 160A-02-GP2K-PSI-N | 33K6-4-314-1, 33K6-4-427-1 | F1, F2 | F, O |
| Mechanical | Pressure Gauge | 1 000 psi to 10 000 psi | 2.6 psi | Additel Pressure Standard ADT 160A-02-GP10K-PSI-N | 33K6-4-314-1, 33K6-4-427-1 | F1, F2 | F, O |
| Mechanical | Pressure Gauge | 10 psi to 20 000 psi | 30 μ psi/psi + .0066 psi | Piston Gauge | 33K6-4-314-1, 22K6-4-427-1 | F1, F2 | F |
| Mechanical | Torque Wrench/ Driver & Tools | 40 ozf•in to 400 ozf•in | 0.87 ozf•in | CDI Torque System, AKO System; | 33K6-4-2193-1, 33K6-4-3015-1, 33K6-4-3108-1 | F1, F2 | F |
| Mechanical | Torque Wrench/ Driver & Tools | 5 lbf•in to 50 lbf•in | 0.2 lbf•in | CDI Torque System, AKO System; 5-50 lbf•in transducer | 33K6-4-2193-1, 33K6-4-3015-1, 33K6-4-3108-1 | F1, F2 | F |
| Mechanical | Torque Wrench/ Driver & Tools | 15 lbf•in to 150 lbf•in | 0.55 lbf•in | CDI Torque System, AKO System; 15-150 lbf•in transducer | 33K6-4-2193-1, 33K6-4-3015-1, 33K6-4-3108-1 | F1, F2 | F |
| Mechanical | Torque Wrench/ Driver & Tools | 40 lbf•in to 400 lbf•in | 0.76 lbf•in | CDI Torque System, AKO System; 40-400 lbf•in transducer | 33K6-4-2193-1, 33K6-4-3015-1, 33K6-4-3108-1 | F1, F2 | F |
| Mechanical | Torque Wrench/ Driver & Tools | 25 lbf•ft to 250 lbf•ft | 0.07 lbf•ft | CDI Torque System, AKO System; 25-250 lbf•ft transducer | 33K6-4-2193-1, 33K6-4-3015-1, 33K6-4-3108-1 | F1, F2 | F |
| Mechanical | Torque Wrench/ Driver & Tools | 200 lbf•ft to 1 000 lbf•ft | 0.07 lbf•ft | CDI Torque System, AKO System; 200-1000 lbf•ft transducer | 33K6-4-2193-1, 33K6-4-3015-1, 33K6-4-3108-1 | F1, F2 | F |
| Mechanical | Torque Analyzers/ Calibrators | 40 ozf•in to 400 ozf•in | 0.87 ozf•in | Class F weights with 5 in wheel | 33K6-4-3176-1 | F1, F2 | F |



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| Mechanical | Torque Analyzers/ Calibrators | 5 lbf•in to 50 lbf•in | 0.2 lbf•in | Class F weights with 2.5 in wheel; and 5 in wheel | 33K6-4-3176-1 | F1, F2 | F |
| Mechanical | Torque Analyzers/ Calibrators | 15 lbf•in to 150 lbf•in | 0.55 lbf•in | Class F weights with 5 in wheel | 33K6-4-3176-1 | F1, F2 | F |
| Mechanical | Torque Analyzers/ Calibrators | 40 lbf•in to 400 lbf•in | 0.76 lbf•in | Class F weights with 20 in arm | 33K6-4-3176-1 | F1, F2 | F |
| Mechanical | Torque Analyzers/ Calibrators | 20 lbf•ft to 250 lbf•ft | 0.07 lbf•ft | Class F weights with 20 in arm | 33K6-4-3176-1 | F1, F2 | F |
| Mechanical | Torque Analyzers/ Calibrators | 200 lbf•ft to 1 000 lbf•ft | 0.12 lbf•ft | Class F weights with 24 in arm | 33K6-4-3176-1 | F1, F2 | F |
| Thermodynamic | Temperature Measuring Devices/ Sensors | 40 °F to 125 °F | 0.17 °F | Vaisala MI70/ HMP77B Votsch VT7010 | 33K5-4-84-1 | F1, F2 | F, O |
| Thermodynamic | Temperature Measuring Devices/ Sensors | 125 °F to 356 °F | 0.24 °F | Vaisala MI70/ HMP77B | 33K5-4-42-1 | F1, F2 | F, O |
| Thermodynamic | Relative Humidity Measuring Devices | 20 %RH to 90 %RH | 0.86 %RH | Vaisala MI70/ HMP77B Votsch VT7010 | 33K5-4-84-1 | F1, F2 | F |
| Time and Frequency | Oscilloscopes (Time Marker Output) (@ 50 Ω) | 2 ns to 20 ms | 8.8×10^{-6} ms | Fluke 5520A/ SC600 | 33K3-4-3368-1 | F1, F2 | F, O |
| Time and Frequency | Oscilloscopes (Time Marker Output) (@ 50 Ω) | 50 ms to 5 s | 5.9×10^{-6} s | Fluke 5520A/ SC600 | 33K3-4-3368-1 | F1, F2 | F, O |
| Time and Frequency | Equipment to Output Frequency | 0.01 Hz to 119.99 Hz | 2.5 μ Hz/Hz + 195 μ Hz | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Time and Frequency | Equipment to Output Frequency | 120 Hz to 1 199.9 Hz | 2.5 μ Hz/Hz + 245 μ Hz | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Time and Frequency | Equipment to Output Frequency | 1.2 kHz to 11.999 kHz | 2.5 μ Hz/Hz + 1 185 μ Hz | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |



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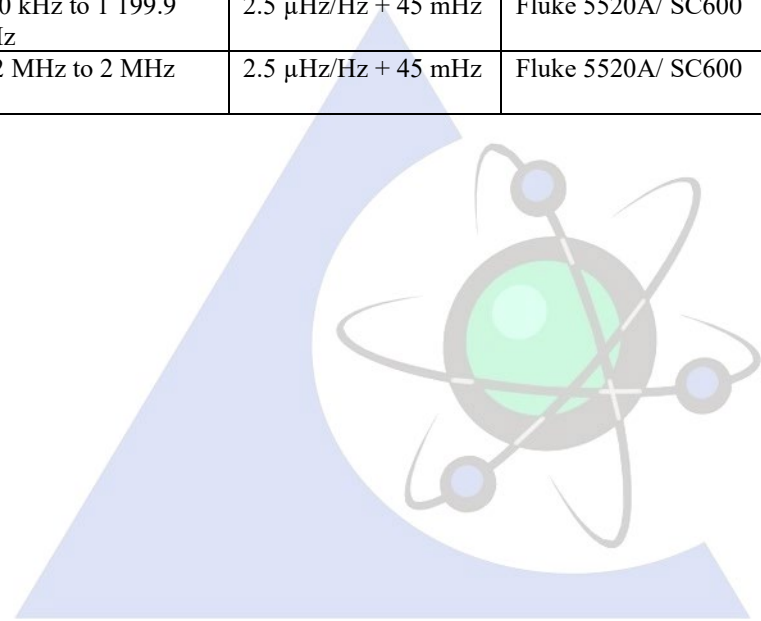
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| Time and Frequency | Equipment to Output Frequency | 12 kHz to 119.999 kHz | 2.5 μ Hz/Hz + 11 mHz | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Time and Frequency | Equipment to Output Frequency | 120 kHz to 1 199.9 kHz | 2.5 μ Hz/Hz + 45 mHz | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |
| Time and Frequency | Equipment to Output Frequency | 1.2 MHz to 2 MHz | 2.5 μ Hz/Hz + 45 mHz | Fluke 5520A/ SC600 | 33K8-4-1131-1 | F1, F2 | F, O |





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

- 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.
- 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.
- 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 |
- 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.
- The term L represents length in inches or millimeters as appropriate to the uncertainty statement.