



CERTIFICATE OF ACCREDITATION

ANSI National Accreditation Board

11617 Coldwater Road, Fort Wayne, IN 46845 USA

This is to certify that

Trident Systems & Engineering
2646 Palma Dr., #130
Ventura, CA 93003

has been assessed by ANAB and meets the requirements of international standard

ISO/IEC 17025:2017

while demonstrating technical competence in the field of

CALIBRATION

Refer to the accompanying Scope of Accreditation for information regarding the types of activities to which this accreditation applies

L2321

Certificate Number


ANAB Approval

Certificate Valid Through: 06/18/2021
Version No. 004 Issued: 04/09/2019



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

Trident Systems & Engineering

2646 Palma Dr., #130

Ventura, CA 93003

Charles Sharp

805-830-8596

CALIBRATION

Valid to: **June 18, 2021**

Certificate Number: **L2321**

Electrical – DC/Low Frequency

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
DC Current - Source	(0 to 200) μ A (0.1 to 2.0) mA (1.0 to 20) mA (10 to 200) mA (0.1 to 2) A	111 μ A/A + 2.4 nA 44 μ A/A + 12 nA 44 μ A/A + 130 nA 45 μ A/A + 1.3 μ A 110 μ A/A + 25 μ A	Wavetek 4808 Multifunction Calibrator Opt 10 / 40
DC Current - Source	(1 to 20) A	516 μ A/A + 8 mA	Wavetek 9100 Calibration System
DC Current - Measure	(0 to 120) μ A (0.1 to 1.2) mA (1.0 to 12) mA (10 to 120) mA (0.1 to 1.05) A	15 μ A/A + 2 nA 15 μ A/A + 15.3 nA 14 μ A/A + 161 nA 29 μ A/A + 2 μ A 98 μ A/A + 24 μ A	Keysight 3458A Multimeter
DC Current - Measure	(1 to 20) A	136 μ A/A + 1.8 mA	3458A / EL7520 Multimeter
AC Current - Source	(10 to 200) μ A 10 Hz to 1 kHz (1 to 5) kHz (0.1 to 2) mA 10 Hz to 1 kHz (1 to 5) kHz (1 to 20) mA 10 Hz to 1 kHz (1 to 5) kHz (10 to 200) mA 10 Hz to 1 kHz (1 to 5) kHz	210 μ A/A + 19 nA 336 μ A/A + 26 nA 171 μ A/A + 220 nA 288 μ A/A + 215 nA 114 μ A/A + 1.3 μ A 203 μ A/A + 1.2 μ A 128 μ A/A + 17 μ A 223 μ A/A + 17 μ A	Wavetek 4808 Multifunction Calibrator Opt 20 / 40



ANSI National Accreditation Board

Electrical – DC/Low Frequency

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
AC Current - Source	(0.1 to 2) A 10 Hz to 1 kHz (1 to 5) kHz	358 μ A/A + 163 μ A 526 μ A/A + 197 μ A	Wavetek 4808 Multifunction Calibrator Opt 20 / 40
AC Current - Source	(1 to 20) A (10 to 40) Hz 40 Hz to 1 kHz (1 to 5) kHz	1.6 mA/A + 1.8 mA 1.6 mA/A + 1.7 mA 5.5 mA/A + 27 mA	Wavetek 9100 Calibration System
AC Current - Measure	(10 to 120) μ A (10 to 20) Hz (20 to 45) Hz (45 to 100) Hz 100 Hz to 1 kHz (0.1 to 1.2) mA (10 to 20) Hz (20 to 45) Hz (45 to 100) Hz 100 Hz to 5 kHz (5 to 20) kHz (20 to 50) kHz (1 to 12) mA (10 to 20) Hz (20 to 45) Hz (45 to 100) Hz 100 Hz to 5 kHz (5 to 20) kHz (20 to 50) kHz (10 to 120) mA (10 to 20) Hz (20 to 45) Hz (45 to 100) Hz 100 Hz to 5 kHz (5 to 20) kHz (20 to 50) kHz (0.1 to 1.05) A (10 to 20) Hz (20 to 45) Hz (45 to 100) Hz 100 Hz to 5 kHz (5 to 20) kHz	3.8 mA/A + 51 nA 1.5 mA/A + 46 nA 576 μ A/A + 44 nA 565 μ A/A + 43 nA 3.8 mA/A + 390 nA 1.4 mA/A + 355 nA 521 μ A/A + 348 nA 271 μ A/A + 301 nA 519 μ A/A + 348 nA 3.8 mA/A + 665 nA 3.8 mA/A + 3.9 μ A 1.4 mA/A + 3.6 μ A 540 μ A/A + 3.5 μ A 277 μ A/A + 3 μ A 538 μ A/A + 3.5 μ A 3.8 mA/A + 6.7 μ A 3.8 mA/A + 39 μ A 1.4 mA/A + 35 μ A 540 μ A/A + 35 μ A 277 μ A/A + 30 μ A 538 μ A/A + 35 μ A 3.8 mA/A + 66 μ A 3.8 mA/A + 362 μ A 1.5 mA/A + 336 μ A 717 μ A/A + 329 μ A 932 μ A/A + 282 μ A 2.8 mA/A + 349 μ A	Keysight 3458A Multimeter



Electrical – DC/Low Frequency

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
AC Current - Measure	(1 to 20) A (10 to 40) Hz 40 Hz to 1 kHz (1 to 5) kHz	175 μ A/A + 219 μ A 152 μ A/A + 311 μ A 159 μ A/A + 477 μ A	3458A Multimeter / EL7520 Shunt
Resistance - Source Fixed Points	10 Ω 100 Ω 1 k Ω 10 k Ω 100 k Ω 1 M Ω 10 M Ω 100 M Ω	0.31 m Ω 1.2 m Ω 11.8 m Ω 118 m Ω 1.3 Ω 31 Ω 612 Ω 10 k Ω	Wavetek 4808 Multifunction Calibrator Opt 50
Resistance - Source Adjustable	(0.1 to 10.999) Ω (11 to 32.999) Ω (33 to 109.999) Ω (110 to 329.999) Ω 330 Ω to 1.099 9 k Ω (1.1 to 3.299 9) k Ω (3.3 to 10.999 9) k Ω (11 to 32.999 9) k Ω (33 to 109.999) k Ω (110 to 329.999) k Ω 330k Ω to 1.099 9 M Ω (1.1 to 3.299 9) M Ω (3.3 to 10.999 9) M Ω (11 to 32.999 9) M Ω (33 to 109.999) M Ω	139 $\mu\Omega$ / Ω + 7 m Ω 138 $\mu\Omega$ / Ω + 12 m Ω 104 $\mu\Omega$ / Ω + 12 m Ω 107 $\mu\Omega$ / Ω + 11 m Ω 36.2 $\mu\Omega$ / Ω + 31 m Ω 109 $\mu\Omega$ / Ω + 65 m Ω 104 $\mu\Omega$ / Ω + 697 m Ω 108 $\mu\Omega$ / Ω + 651 m Ω 126 $\mu\Omega$ / Ω + 7.1 Ω 147 $\mu\Omega$ / Ω + 6.1 Ω 172 $\mu\Omega$ / Ω + 65 Ω 218 $\mu\Omega$ / Ω + 57.6 Ω 693 $\mu\Omega$ / Ω + 662 Ω 1.3 m Ω / Ω + 4.3 k Ω 5.6 m Ω / Ω + 6.6 k Ω	Fluke 5500A Multi Product Calibrator
Resistance Measure	(1 to 12) Ω (10 to 120) Ω 100 Ω to 1.2 k Ω (1 to 12) k Ω (10 to 120) k Ω 100 k Ω to 1.2 M Ω (1 to 12) M Ω (10 to 120) M Ω	13 $\mu\Omega$ / Ω + 180 $\mu\Omega$ 9.6 $\mu\Omega$ / Ω + 1.6 m Ω 7.2 $\mu\Omega$ / Ω + 6.6 m Ω 7.1 $\mu\Omega$ / Ω + 66 m Ω 7.2 $\mu\Omega$ / Ω + 647 m Ω 12 $\mu\Omega$ / Ω + 10 Ω 40 $\mu\Omega$ / Ω + 299 Ω 501 $\mu\Omega$ / Ω + 5.7 k Ω	Keysight 3458A Multimeter
DC Voltage Source	(0 to 200) mV (0.1 to 2) V (1 to 20) V (20 to 200) V (100 to 1 100) V	5.7 μ V/V + 1 μ V 5.5 μ V/V + 1.4 μ V 4.4 μ V/V + 2.7 μ V 5.6 μ V/V + 65 μ V 7.4 μ V/V + 591 μ V	Wavetek 4808 Multifunction Calibrator Opt 10 / 30



Electrical – DC/Low Frequency

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
DC Voltage Measure	(0 to 120) mV (0.1 to 1.2) V (1 to 12) V (10 to 120) V (100 to 1 050) V	9.4 $\mu\text{V/V} + 1 \mu\text{V}$ 8 $\mu\text{V/V} + 0.86 \mu\text{V}$ 8.2 $\mu\text{V/V} + 2.7 \mu\text{V}$ 11 $\mu\text{V/V} + 59 \mu\text{V}$ 12 $\mu\text{V/V} + 168 \mu\text{V}$	Keysight 3458A Multimeter
DC Voltage Measure	(1 to 6) kV	12 mV/V + 40 mV	Fluke 80k-6 High Voltage Probe / 87V Multimeter
AC Voltage Source	(1 to 20) mV (10 to 31) Hz (32 to 330) Hz (0.3 to 10) kHz (10 to 33) kHz (30 to 100) kHz (100 to 330) kHz (0.3 to 1) MHz (10 to 200) mV (10 to 31) Hz (32 to 330) Hz (0.3 to 10) kHz (10 to 33) kHz (30 to 100) kHz (100 to 330) kHz (0.3 to 1) MHz (0.1 to 2) V (10 to 31) Hz (32 to 330) Hz (0.3 to 33) kHz (30 to 100) kHz (100 to 330) kHz (0.3 to 1) MHz (1 to 20) V (10 to 31) Hz (32 to 330) Hz (0.3 to 33) kHz (30 to 100) kHz (100 to 330) kHz (0.3 to 1) MHz	169 $\mu\text{V/V} + 7.8 \mu\text{V}$ 57 $\mu\text{V/V} + 9 \mu\text{V}$ 129 $\mu\text{V/V} + 6.7 \mu\text{V}$ 127 $\mu\text{V/V} + 6.7 \mu\text{V}$ 266 $\mu\text{V/V} + 8.4 \mu\text{V}$ 1.3 mV/V + 13 μV 2.5 mV/V + 29 μV 139 $\mu\text{V/V} + 14 \mu\text{V}$ 27 $\mu\text{V/V} + 15 \mu\text{V}$ 82 $\mu\text{V/V} + 12 \mu\text{V}$ 82 $\mu\text{V/V} + 12 \mu\text{V}$ 324 $\mu\text{V/V} + 20 \mu\text{V}$ 1.1 mV/V + 30 μV 2.4 mV/V + 157 μV 99 $\mu\text{V/V} + 70 \mu\text{V}$ 62 $\mu\text{V/V} + 71 \mu\text{V}$ 54 $\mu\text{V/V} + 45 \mu\text{V}$ 91 $\mu\text{V/V} + 74 \mu\text{V}$ 260 $\mu\text{V/V} + 146 \mu\text{V}$ 1.8 mV/V + 922 μV 99 $\mu\text{V/V} + 708 \mu\text{V}$ 63 $\mu\text{V/V} + 721 \mu\text{V}$ 44 $\mu\text{V/V} + 350 \mu\text{V}$ 92 $\mu\text{V/V} + 829 \mu\text{V}$ 262 $\mu\text{V/V} + 1.8 \text{ mV}$ 1.7 mV/V + 1.2 mV	Wavetek 4808 Multifunction Calibrator Opt 20 / 30

Electrical – DC/Low Frequency

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
AC Voltage Source	(10 to 200) V (10 to 31) Hz (32 to 330) Hz (0.3 to 10) kHz (10 to 33) kHz (30 to 100) kHz (100 to 330) kHz (100 to 750) V (10 to 330) Hz (0.3 to 3.3) kHz (3 to 10) kHz (10 to 33) kHz (30 to 100) kHz	130 $\mu\text{V/V} + 7 \text{ mV}$ 70 $\mu\text{V/V} + 6.8 \text{ mV}$ 54 $\mu\text{V/V} + 3.1 \text{ mV}$ 69 $\mu\text{V/V} + 3.6 \text{ mV}$ 131 $\mu\text{V/V} + 9.6 \text{ mV}$ 843 $\mu\text{V/V} + 35 \text{ mV}$ 141 $\mu\text{V/V} + 26 \text{ mV}$ 93 $\mu\text{V/V} + 36 \text{ mV}$ 94 $\mu\text{V/V} + 31 \text{ mV}$ 131 $\mu\text{V/V} + 35 \text{ mV}$ 998 $\mu\text{V/V} + 92 \text{ mV}$	Wavetek 4808 Multifunction Calibrator Opt 20 / 30
AC Voltage Measure	(1 to 12) mV (1 to 40) Hz 40 Hz to 1 kHz (1 to 20) kHz (20 to 50) kHz (50 to 100) kHz (100 to 300) kHz (10 to 120) mV (1 to 40) Hz 40 Hz to 1 kHz (1 to 20) kHz (20 to 50) kHz (50 to 100) kHz (100 to 300) kHz (0.3 to 1) MHz (0.1 to 1.2) V (1 to 40) Hz 40 Hz to 1 kHz (1 to 20) kHz (20 to 50) kHz (50 to 100) kHz (100 to 300) kHz (0.3 to 1) MHz	293 $\mu\text{V/V} + 5.7 \mu\text{V}$ 123 $\mu\text{V/V} + 4.2 \mu\text{V}$ 335 $\mu\text{V/V} + 3.1 \mu\text{V}$ 888 $\mu\text{V/V} + 3.1 \mu\text{V}$ 4.7 $\text{mV/V} + 3.5 \mu\text{V}$ 38 $\text{mV/V} + 11 \mu\text{V}$ 84 $\mu\text{V/V} + 11 \mu\text{V}$ 61 $\mu\text{V/V} + 5.3 \mu\text{V}$ 121 $\mu\text{V/V} + 5.2 \mu\text{V}$ 275 $\mu\text{V/V} + 5 \mu\text{V}$ 690 $\mu\text{V/V} + 14 \mu\text{V}$ 2.8 $\text{mV/V} + 25 \mu\text{V}$ 9.1 $\text{mV/V} + 78 \mu\text{V}$ 61 $\mu\text{V/V} + 81 \mu\text{V}$ 49 $\mu\text{V/V} + 49 \mu\text{V}$ 128 $\mu\text{V/V} + 44 \mu\text{V}$ 277 $\mu\text{V/V} + 47 \mu\text{V}$ 745 $\mu\text{V/V} + 62 \mu\text{V}$ 2.9 $\text{mV/V} + 223 \mu\text{V}$ 9.4 $\text{mV/V} + 518 \mu\text{V}$	Keysight 3458A Multimeter

Electrical – DC/Low Frequency

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
AC Voltage Measure	(1 to 12) V		Keysight 3458A Multimeter
	(1 to 40) Hz	61 μ V/V + 814 μ V	
	40 Hz to 1 kHz	65 μ V/V + 445 μ V	
	(1 to 20) kHz	127 μ V/V + 442 μ V	
	(20 to 50) kHz	277 μ V/V + 471 μ V	
	(50 to 100) kHz	745 μ V/V + 615 μ V	
	(100 to 300) kHz	2.9 mV/V + 2.3 mV	
	(0.3 to 1) MHz	9.4 mV/V + 5.2 mV	
	(10 to 120) V		
	(1 to 40) Hz	175 μ V/V + 8.8 mV	
40 Hz to 1 kHz	184 μ V/V + 4.4 mV		
(1 to 20) kHz	184 μ V/V + 4.4 mV		
(20 to 50) kHz	324 μ V/V + 4.8 mV		
(50 to 100) kHz	1.2 mV/V + 6.8 mV		
(100 to 300) kHz	3.8 mV/V + 29 mV		
(100 to 700) V			
(1 to 40) Hz	465 μ V/V + 75 mV		
40 Hz to 1 kHz	444 μ V/V + 33 mV		
(1 to 20) kHz	672 μ V/V + 34 mV		
(20 to 50) kHz	1.4 mV/V + 45 mV		
(50 to 100) kHz	3.5 mV/V + 45 mV		
	700 V to 5 kV (45 to 500) Hz	15 mV/V + 6.2 V	Fluke 80k-6 High Voltage Probe / 87V Multimeter
Oscilloscope Amplitude			Fluke 5500A - SC300 Multi Product Calibrator
DC Signal – 50 Ω	5 mV to 2.2 V	3 mV/V + 0.12 mV	
DC Signal – 1 M Ω	5 mV to 33 V	3 mV/V + 0.12 mV	
AC Signal – 50 Ω	5 mV to 2.2V 10 Hz to 10 kHz	3 mV/V + 0.12 mV	
AC Signal – 1 M Ω	5 mV to 55V 10 Hz to 10 kHz	3 mV/V + 0.12 mV	
Time Marker - 50 Ω	2 ns to 50 μ s 100 μ s to 5 s	30 parts in 10 ⁶ s 0.59 % of reading	
Bandwidth relative to 50 kHz 50 Ω load	5 mV to 5.5 V 50 kHz	23 mV/V + 231 μ V	
	5 mV to 5.5 V 50 kHz to 100 MHz	25 mV/V + 105 μ V	



Electrical – DC/Low Frequency

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Oscilloscope Bandwidth relative to 50 kHz, 50 Ω load	5 mV to 5.5 V (100 to 250) MHz	28 mV/V + 125 μV	Fluke 5500A - SC300 Multi Product Calibrator

Electrical – RF/Microwave

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Power Sensor Calibration Factors	(70 to 100) % of applied Power 0.1 MHz (0.3 to 1 000) MHz (1 to 3) GHz (3 to 4.2) GHz (0.01 to 4) GHz (4 to 9) GHz (9 to 17) GHz (17 to 18) GHz (0.1 to 1) GHz (1 to 6) GHz (6 to 10) GHz (10 to 12.4) GHz (12.4 to 18) GHz (18 to 23) GHz (23 to 25) GHz (25 to 26.5) GHz	1.6 % of reading 1.4 % of reading 1.5 % of reading 1.6 % of reading 1.5 % of reading 1.8 % of reading 1.9 % of reading 2.5 % of reading 1.9 % of reading 2 % of reading 2.1 % of reading 2.2 % of reading 2.3 % of reading 2.8 % of reading 2.9 % of reading 3.2 % of reading	Keysight 8485A Multimeter / 11667B Splitter
RF Power - Power Meter Reference	1 mW, 50 MHz	0.42 % of reading	478A H76 Power Meter
Absolute Power	(-20 to 20) dBm (0.1 to 10) MHz	0.16 dB	8482A Power Sensor
Absolute Power	(-20 to 20) dBm 10 MHz to 18 GHz	0.16 dB	8481A Power Sensor
Absolute Power	(-20 to 20) dBm (18 to 26.5) GHz	0.19 dB	8485A Power Sensor
Absolute Power	(-20 to 20) dBm (26.5 to 40) GHz (40 to 50) GHz	0.22 dB 0.23 dB	8487A Power Sensor 8487A Power Sensor



Electrical – RF/Microwave

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Absolute Power	(-60 to -20) dBm (10 to 50) MHz	0.19 dB	E4412A Power Sensor
Absolute Power	(-60 to -20) dBm 50 MHz to 18 GHz (18 to 33) GHz (33 to 40) GHz (40 to 45) GHz (45 to 50) GHz	0.19 dB 0.2 dB 0.23 dB 0.28 dB 0.29 dB	8487D Power Sensor

Length – Dimensional metrology

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Calipers ²	(0.05 to 60) in	(330 + 3L) μin	Gage Blocks
Micrometers ²	(0.05 to 12) in	(29 + 5L) μin	
Height Gages ²	(0.05 to 60) in	(330 + 3L) μin	
Indicators ²	(0.05 to 2) in	(14 + 23L) μin	

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Pressure Gages and Transducers	(0 to 300) psi	0.17 psi + 0.000 7 psi/psi	Pressure Calibrator
Pressure Gages and Transducers	(5 to 5 000) psi	0.02 psi + 0.000 07 psi/psi	Dead weight Tester
Vacuum Gages and Transducers	(0 to 29) inHg	0.38 inHg	Pressure Calibrator
Torque Watches & Screwdrivers	(2 to 215) ozf·in	0.07 ozf·in + 0.009 ozf·in/ozf·in	Torque Watch Calibrator



Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Torque Wrenches	(1 to 100) lbf·ft	0.1 lbf·in + 0.01 lbf·in/ lbf·in	Torque Calibrator
Weigh Scales Resolution: 0.000 1 g 0.000 1 g 0.001 g 0.01 g 0.1 g	(0 to 100) g (0 to 200) g (0 to 200) g (0 to 200) g (0 to 200) g	0.4 mg 0.8 mg 1 mg 10 mg 0.1 g	Class S Masses
Weigh Scales Resolution: 0.01 g 0.1 g	(0 to 2 000) g (0 to 2 000) g	0.02 g 0.1 g	Class F1 Masses
Weigh Scales Resolution: 0.1 lb 0.5 lb	(0 to 100) lb (0 to 100) lb	0.1 lb 0.5 lb	Class 6/7 Masses

Time and Frequency

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Frequency Source	10 MHz Fixed	2.8 parts in 10^{11} of reading	GPS Disciplined Oscillator Z3805A
Frequency Source	(0.1 to 30) Hz 30 Hz to 100 kHz (0.1 to 20) MHz	3.7 parts in 10^5 of reading 1.3 parts in 10^7 of reading 5.8 parts in 10^9 of reading	Keysight 3325A Function Generator
Frequency Source	20 MHz to 2.05 GHz	1.2 parts in 10^9 of reading	Keysight 8644A Signal Generator
Frequency Source	(2 to 26) GHz (26 to 50) GHz	6.3 parts in 10^{10} of reading 2.3 parts in 10^{10} of reading	Keysight 83650B Signal Generator
Frequency Measure	(0.1 to 30) Hz 30 Hz to 200 kHz (0.2 to 100) MHz 100 MHz to 3 GHz	3.6 parts in 10^5 of reading 5.4 parts in 10^8 of reading 1.2 parts in 10^9 of reading 2.4 parts in 10^{10} of reading	Keysight 53132A Counter
Frequency Measure	(3 to 26) GHz	6.4 parts in 10^{10} of reading	Keysight 5351B Counter

Time and Frequency

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Frequency Measure	(26 to 50) GHz	7.5 parts in 10 ¹⁰ of reading	Keysight 8563E Spectrum Analyzer

Calibration and Measurement Capability (CMC) is expressed in terms of the measurement parameter, measurement range, expanded uncertainty of measurement and reference standard, method, and/or equipment. The expanded uncertainty of measurement is expressed as the standard uncertainty of the measurement multiplied by a coverage factor of 2 ($k=2$), corresponding to a confidence level of approximately 95%.

Notes:

1. On-site calibration service is available for this parameter, since on-site conditions are typically more variable than those in the laboratory, larger measurement uncertainties are expected on-site than what is reported on the accredited scope.
2. L = length in inches.
3. This scope is formatted as part of a single document including Certificate of Accreditation No. L2321.



Vice President

