SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017
& ANSI/NCSL Z540-1-1994

ELLAB, INC.
4030 Skyron Drive, Unit D
Doylestown, PA 18901
Amanda Page Phone: 303-425-3370

CALIBRATION

Valid To: January 31, 2028 Certificate Number: 4828.01

In recognition of the successful completion of the A2LA evaluation process (including an assessment of the organization's compliance with R205 – A2LA's Calibration Program Requirements), accreditation is granted to this laboratory to perform the following calibrations[1, 7]:

I. Electrical – DC/Low Frequency

Parameter/Equipment	Range	CMC[2, 5] (±)	Comments
DC Voltage[3] – Measure			
Auto, 10 MΩ, 1 MΩ	Up to 200 mV	8.9 µV/V + 0.40 µV	Fluke 8588A
Auto, 10 MΩ, 1 MΩ	200 mV to 2 V	9.8 µV/V + 0.60 µV	
Auto, 10 MΩ, 1 MΩ	(2 to 20) V	2.8 µV/V + 1.0 µV	
Auto, 10 MΩ	(20 to 200) V	4.1 µV/V + 61 µV	
1 MΩ	(20 to 200) V	9.0 µV/V + 61 µV	
Auto, 10 MΩ	200 V to 1.0 kV	4.3 µV/V + 530 µV	
1 MΩ	200 V to 1.0 kV	9.1 µV/V + 26 mV	
DC Voltage[3] – Generate	(0 to 220) mV	6 µV/V + 0.40 µV	Fluke 5730A
	220 mV to 2.2 V	4 µV/V + 0.7 µV	
	(2.2 to 11) V	3 µV/V + 2.5 µV	
	(11 to 22) V	2.8 µV/V + 4 µV	
	(22 to 220) V	4 µV/V + 40 µV	
	(220 to 1100) V	5.2 µV/V + 400 µV	
DC Current[3] – Measure	Up to 20 µA	24 µA/A + 0.4 nA	Fluke 8588A
	(20 to 200) µA	9 µA/A + 0.4 nA	
	200 µA to 2 mA	9 µA/A + 10 nA	
	(2 to 20) mA	24 µA/A + 0.1 µA	
	(20 to 200) mA	33 µA/A + 2 µA	
	200 mA to 2 A	100 µA/A + 0.2 mA	
	(2 to 20) A	180 µA/A + 0.8 mA	
	(20 to 30) A	500 µA/A + 4.4 mA	

5202 Presidents Court, Suite 220 | Frederick, MD 21703-8398 | Phone: 301 644 3248 | Fax: 240 454 9449 | www.A2LA.org

Parameter/Equipment	Range	CMC[2, 5] (±)	Comments
DC Current[3] – Generate	(0 to 220) µA (0.22 to 2.2) mA (2.2 to 22) mA (22 to 220) mA (0.22 to 2.2) A (2.2 to 3.1) A (3.1 to 12) A (12 to 30.2) A	31 µA/A + 6 nA 27 µA/A + 7 nA 27 µA/A + 40 nA 35 µA/A + 0.7 µA 67 µA/A + 12 µA 230 µA/A + 150 µA 230 µA/A + 250 µA 780 µA/A + 500 µA	Fluke 5730A Fluke 5560A
Clamp On Only Non Toroidal	(30.2 to 60) A (60 to 1510) A	1.5 % + 0.5 A 0.55 % + 0.5 A	Fluke 5500A coil & Fluke 5560A
DC Resistance[3] – Measure	Up to 2 Ω (2 to 20) Ω (20 to 200) Ω 200 Ω to 2 kΩ (2 to 20) kΩ (20 to 200) kΩ 200 kΩ to 2 MΩ (2 to 20) MΩ (20 to 200) MΩ 200 MΩ to 2 GΩ	15 µΩ/Ω + 8.1 µΩ 12 µΩ/Ω + 28 µΩ 9.0 µΩ/Ω + 100 µΩ 7.0 µΩ/Ω + 1.0 mΩ 7.0 µΩ/Ω + 10 mΩ 7.0 µΩ/Ω + 100 mΩ 11 µΩ/Ω + 20 Ω 23 µΩ/Ω + 200 Ω 43 µΩ/Ω+ 20 kΩ 580 µΩ/Ω + 2.0 MΩ	Fluke 8588A
Electrical Calibration of RTDs[3] – Simulation & Measure			
Pt 385, 100 Ω	(-200 to 0) °C (0 to 100) °C (100 to 300) °C (300 to 400) °C (400 to 630) °C (630 to 800) °C	0.04 °C 0.05 °C 0.07 °C 0.08 °C 0.09 °C 0.18 °C	Fluke 5560A
Pt 3926, 100 Ω	(-200 to 0) °C (0 to 100) °C (100 to 300) °C (300 to 400) °C (400 to 630) °C	0.04 °C 0.05 °C 0.07 °C 0.08 °C 0.09 °C	
Pt 3916, 100 Ω	(-200 to -190) °C (-190 to -80) °C (-80 to 0) °C (0 to 100) °C (100 to 260) °C (260 to 300) °C (300 to 400) °C (400 to 600) °C (600 to 630) °C	0.19 °C 0.03 °C 0.04 °C 0.05 °C 0.05 °C 0.06 °C 0.07 °C 0.08 °C 0.18 °C	

Parameter/Equipment	Range	CMC[2, 5] (±)	Comments
DC Resistance[3] – Generate	0 Ω (0 to 1) Ω (1 to 1.9) Ω 1.9 Ω to 10 Ω (10 to 19) Ω (19 to 100) Ω (100 to 190) Ω 190 Ω to 1 kΩ (1 to 1.9) kΩ (1.9 to 10) kΩ (10 to 19) kΩ (19 to 100) kΩ (100 to 190) kΩ 190 kΩ to 1.0 MΩ (1.0 to 1.9) MΩ (1.9 to 10) MΩ (10 to 19) MΩ (19 to 100) MΩ	31 μΩ 74 μΩ 74 μΩ 20 μΩ 18 μΩ 8 μΩ 8 μΩ 5 μΩ 5 μΩ 5 μΩ 5 μΩ 9 μΩ 7 μΩ 12 μΩ 15 μΩ 40 μΩ 68 μΩ 180 μΩ	Fluke 5730A
Electrical Calibration of Thermocouples[3] –Simulation & Measure			
Type E	(-250 to -100) °C (-100 to -25) °C (-25 to 350) °C (350 to 650) °C (650 to 1000) °C	0.31 °C 0.11 °C 0.09 °C 0.12 °C 0.16 °C	Fluke 5560A
Type J	(-210 to -100) °C (-100 to -30) °C (-30 to 150) °C (150 to 760) °C (760 to 1200) °C	0.19 °C 0.10 °C 0.09 °C 0.11 °C 0.16 °C	
Type K	(-200 to -100) °C (-100 to -25) °C (-25 to 120) °C (120 to 1000) °C (1000 to 1372) °C	0.22 °C 0.13 °C 0.12 °C 0.16 °C 0.27 °C	
Type N	(-200 to -100) °C (-100 to -25) °C (-25 to 120) °C (120 to 410) °C (410 to 1300) °C	0.26 °C 0.12 °C 0.09 °C 0.09 °C 0.16 °C	
Type R	(0 to 250) °C (250 to 400) °C (400 to 1000) °C (1000 to 1767) °C	0.40 °C 0.23 °C 0.21 °C 0.26 °C	

Parameter/Equipment	Range	CMC[2] (±)	Comments
Electrical Simulation of Thermocouples[3] – (cont)			
Type S	(0 to 250) °C (250 to 1000) °C (1000 to 1400) °C (1400 to 1767) °C	0.33 °C 0.24 °C 0.25 °C 0.32 °C	Fluke 5560A
Type T	(-250 to -150) °C (-150 to 0) °C (0 to 120) °C (120 to 400) °C	0.47 °C 0.16 °C 0.10 °C 0.09 °C	

Parameter/Range	Frequency	CMC[2, 5] (±)	Comments
AC Voltage[3] – Measure			
Up to 12.12 mV, Auto, 10 MΩ, 1 MΩ	(1 to 2) kHz (2 to 10) kHz (10 to 30) kHz (30 to 100) kHz (100 to 300) kHz 300 kHz to 1 MHz	2200 µV/V + 1.3 µV 1000 µV/V + 1.3 µV 350 µV/V + 1.3 µV 0.3 % + 1.3 µV 1.0 % + 4.8 µV 2.0 % + 4.8 µV	Fluke 8588A
(12.12 to 121.2) mV, Auto, 10 MΩ, 1 MΩ	(1 to 2) kHz (2 to 10) kHz (10 to 30) kHz (30 to 100) kHz (100 to 300) kHz 300 kHz to 1 MHz (1 to 2) MHz (2 to 4) MHz (4 to 8) MHz (8 to 10) MHz	3700 µV/V + 0.61 µV 3700µV/V + 0.61 µV 220 µV/V + 1.2 µV 520 µV/V + 6.1 µV 0.2 % + 36 µV 1.0 % + 120 µV 1.5 % + 610 µV 4.0 % + 1.2 mV 8.0 % + 1.2 mV 15 % + 1.2 mV	
(0.121 to 1.212) V, Auto, 10 MΩ, 1 MΩ	(1 to 2) kHz (2 to 10) kHz (10 to 30) kHz (30 to 100) kHz (100 to 300) kHz 300 kHz to 1 MHz (1 to 2) MHz (2 to 4) MHz (4 to 8) MHz (8 to 10) MHz	1900 µV/V + 6.1 µV 1900 µV/V + 6.1 µV 300 µV/V + 12 µV 600 µV/V + 61 µV 0.2 % + 370 µV 1.0 % + 1.3 mV 2.0 % + 6.0 mV 4.0 % + 12 mV 8.0 % + 12 mV 15 % + 12 mV	

Parameter/Range	Frequency	CMC[2, 5] (±)	Comments
AC Voltage[3] – Measure (cont)			
(1.212 to 12.12) V, Auto, 10 MΩ, 1 MΩ	(1 to 2) kHz (2 to 10) kHz (10 to 30) kHz (30 to 100) kHz (100 to 300) kHz 300 kHz to 1 MHz (1 to 2) MHz (2 to 4) MHz (4 to 8) MHz (8 to 10) MHz	1900 µV/V + 60 µV 1900 µV/V + 60 µV 300 µV/V + 120 µV 600 µV/V + 600 µV 0.2 % + 3.6 mV 1.0 % + 12 mV 2.0 % + 60 mV 4.0 % + 120 mV 8.0 % + 120 mV 15 % + 120 mV	Fluke 8588A
(12.12 to 121.2) V, 10 MΩ	1 Hz to 1 kHz (1 to 2) kHz (2 to 10) kHz	1400 µV/V + 0.60 mV 1000 µV/V + 0.60 mV 2 % + 1.2 mV	
(12.12 to 121.2) V, Auto, 1 MΩ	1 Hz to 2 kHz (2 to 10) kHz (10 to 30) kHz (30 to 100) kHz (100 to 300) kHz 300 kHz to 1 MHz	160 µV/V + 0.6 mV 170 µV/V + 0.6 mV 230 µV/V + 1.2 mV 540 µV/V + 6.1 mV 170 µV/V + 61 mV 170 µV/V + 600 mV	
(121.2 to 1050) V, 10 MΩ	1 Hz to 1 kHz (1 to 2) kHz (2 to 10) kHz	830 µV/V + 11 mV 1000 µV/V + 11 mV 2 % + 11 mV	
(121.2 to 1050) V, Auto, 1 MΩ	1 Hz to 2 kHz (2 to 10) kHz (10 to 30) kHz (30 to 100) kHz	90 µV/V + 2.6 mV 90 µV/V + 2.6 mV 210 µV/V + 2.6 mV 510 µV/V + 110 mV	

Parameter/Range	Frequency	CMC[2, 5] (±)	Comments
AC Voltage[3] – Generate			
(1 to 2.2) mV	(10 to 20) Hz (20 to 40) Hz 40 Hz to 20 kHz (20 to 50) kHz (50 to 100) kHz (100 to 300) kHz (300 to 500) kHz 500 kHz to 1 MHz	190 µV/V + 7.0 µV 84 µV/V + 7.0 µV 71 µV/V + 6.0 µV 160 µV/V + 6.0 µV 460 µV/V + 15 µV 850 µV/V + 30 µV 1100 µV/V + 30 µV 3800 µV/V + 30 µV	Fluke 5730A
(2.2 to 22) mV	(10 to 20) Hz (20 to 40) Hz 40 Hz to 20 kHz (20 to 50) kHz (50 to 100) kHz (100 to 300) kHz (300 to 500) kHz 500 kHz to 1 MHz	180 µV/V + 4.0 µV 70 µV/V + 4.0 µV 62 µV/V + 4.0 µV 160 µV/V + 4.0 µV 400 µV/V + 5.0 µV 820 µV/V + 10 µV 1100 µV/V + 20 µV 2600 µV/V + 20 µV	
22 to 220 mV	(10 to 20) Hz (20 to 40) Hz 40 Hz to 20 kHz (20 to 50) kHz (50 to 100) kHz (100 to 300) kHz (300 to 500) kHz 500 kHz to 1 MHz	190 µV/V + 12 µV 72 µV/V + 7.0 µV 48 µV/V + 7.0 µV 95 µV/V + 7.0 µV 250 µV/V + 17 µV 510 µV/V + 20 µV 1100 µV/V + 25 µV 2800 µV/V + 45 µV	
220 mV to 2.2 V	(10 to 20) Hz (20 to 40) Hz 40 Hz to 20 kHz (20 to 50) kHz (50 to 100) kHz (100 to 300) kHz (300 to 500) kHz 500 kHz to 1 MHz	190 µV/V + 40 µV 72 µV/V + 15 µV 36 µV/V + 8 µV 54 µV/V + 10 µV 79 µV/V + 30 µV 260 µV/V + 80 µV 780 µV/V + 200 µV 1400 µV/V + 300 µV	
(2.2 to 22) V	(10 to 20) Hz (20 to 40) Hz 40 Hz to 20 kHz (20 to 50) kHz (50 to 100) kHz (100 to 300) kHz (300 to 500) kHz 500 kHz to 1 MHz	190 µV/V + 400 µV 70 µV/V + 150 µV 33 µV/V + 50 µV 52 µV/V + 100 µV 64 µV/V + 200 µV 380 µV/V + 600 µV 840 µV/V + 2000 µV 3900 µV/V + 3200 µV	

Parameter/Range	Frequency	CMC[2, 5] (±)	Comments
AC Voltage[3] – Generate (cont)			
(22 to 220) V	(10 to 20) Hz (20 to 40) Hz 40 Hz to 20 kHz (20 to 50) kHz (50 to 100) kHz (100 to 300) kHz (300 to 500) kHz 500 kHz to 1 MHz	190 µV/V + 4.0 mV 72 µV/V + 1.5 mV 44 µV/V + 0.6 mV 64 µV/V + 1.0 mV 120 µV/V + 2.5 mV 700 µV/V + 16 mV 3400 µV/V + 40 mV 6200 µV/V + 80 mV	Fluke 5730A
(220 to 1100) V	15 Hz to 50 Hz 50 Hz to 1 kHz	230 µV/V + 16 mV 60 µV/V + 3.5 mV	
(220 to 750) V	(30 to 50) kHz (50 to 100) kHz	470 µV/V + 11 µV 1800 µV/V + 45 µV	Fluke 5725A amplifier
(750 to 1100) V	(1 to 20) kHz (20 to 30) kHz	130 µV/V + 6 µV 470 µV/V + 11 µV	
AC Current[3] – Measure			
Up to 20.2 µA	1 Hz to 2 kHz (2 to 10) kHz (10 to 30) kHz	2100 µA/A + 5 nA 2100 µA/A + 5 nA 2100 µA/A + 5 nA	Fluke 8588A
(20.2 to 202) µA	1 Hz to 2 kHz (2 to 10) kHz (10 to 30) kHz (30 to 100) kHz	260 µA/A + 10 nA 510 µA/A + 0.1 µA 720 µA/A + 1 µA 4100 µA/A + 2 nA	
(0.202 to 2.02) mA	1 Hz to 2 kHz (2 to 10) kHz (10 to 30) kHz (30 to 100) kHz	260 µA/A + 0.1 µA 510 µA/A + 0.1µA 720 µA/A + 0.1µA 4100 µA/A + 0.2 µA	
(2.02 to 20.20) mA	1 Hz to 2 kHz (2 to 10) kHz (10 to 30) kHz (30 to 100) kHz	260 µA/A + 1 µA 510 µA/A + 1 µA 720 µA/A + 1 µA 4100 µA/A + 2 µA	
(20.2 to 202) mA	1 Hz to 2 kHz (2 to 10) kHz (10 to 30) kHz	260 µA/A + 10 µA 500 µA/A + 10 µA 710 µA/A + 10 µA	

Parameter/Range	Frequency	CMC[2, 5] (±)	Comments
AC Current[3] – Measure (cont)			
(0.202 to 2.02) A	1 Hz to 2 kHz (2 to 10) kHz (10 to 30) kHz	260 µA/A + 210 µA 510 µA/A + 210 µA 710 µA/A + 210 µA	Fluke 8588A
(2.02 to 20.2) A	10 Hz to 2 kHz (2 to 10) kHz	810 µA/A + 1 mA 810 µA/A + 1 mA	
(20.2 to 30.2) A	10 Hz to 2 kHz (2 to 10) kHz	800 µA/A + 130 mA 1200 µA/A + 130 mA	
AC Current[3] – Generate			
(22 to 220) µA	(10 to 20) Hz (20 to 40) Hz 40 Hz to 1 kHz (1 to 5) kHz (5 to 10) kHz	210 µA/A + 16 µA 140 µA/A + 10 µA 80 µA/A + 8 µA 220 µA/A + 12 µA 850 µA/A + 65 µA	Fluke 5730A
(.22 to 2.2) mA	(10 to 20) Hz (20 to 40) Hz 40 Hz to 1 kHz (1 to 5) kHz (5 to 10) kHz	190 µA/A + 40 µA 120 µA/A + 35 µA 80 µA/A + 35 µA 160 µA/A + 110 µA 850 µA/A + 650 µA	
(2.2 to 22) mA	(10 to 20) Hz (20 to 40) Hz 40 Hz to 1 kHz (1 to 5) kHz (5 to 10) kHz	190 µA/A + 400 µA 120 µA/A + 350 µA 80 µA/A + 350 µA 160 µA/A + 550 µA 850 µA/A + 5000 µA	
(22 to 220) mA	(10 to 20) Hz (20 to 40) Hz 40 Hz to 1 kHz (1 to 5) kHz (5 to 10) kHz	200 µA/A + 4 µA 130 µA/A + 3.5 µA 80 µA/A + 2.5 µA 160 µA/A + 3.5 µA 850 µA/A + 10 µA	
(0.22 to 2.2) A	40 Hz to 1 kHz (1 to 5) kHz (5 to 10) kHz	190 µA/A + 35 µA 350 µA/A + 80 µA 5400 µA/A + 160 µA	
(2.2 to 11) A	40 Hz to 1 kHz (1 to 5) kHz (5 to 10) kHz	360 µA/A + 35 µA 740 µA/A + 80 µA 2800 µA/A + 160 µA	Fluke 5725A amplifier

Parameter/Range	Frequency	CMC[2, 5] (±)	Comments
AC Current[3] – Generate (cont)			
(12 to 30.2) A	(3 to 45) Hz 45 Hz to 1 kHz (1 to 5) kHz	780 µA/A + 10 mA 540 µA/A + 8 mA 3900 µA/A + 8 mA	Fluke 5560A
(30.2 to 60) A	(45 to 65) Hz (65 to 440) Hz	0.64 % output + 0.03 A 1.0 % output + 0.03 A	Fluke 5500A coil & Fluke 5560A
(60 o 155) A	(45 to 65) Hz (65 to 440) Hz	0.66 % output + 0.25 A 1.0 % output + 0.25 A	
(155 to 600) A	(45 to 65) Hz (65 to 440) Hz	0.62 % output + 0.25 A 1.0 % output + 0.25 A	
(600 to 1510) A	(45 to 65) Hz (65 to 440) Hz	0.60 % output + 0.90 A 1.0 % output + 0.90 A	

Parameter/Equipment	Range	CMC[2, 5] (±)	Comments
Capacitance[3] – Generate	Up to 1.2 nF (1.2 to 12) nF (12 to 120) nF 120 nF to 1.2 µF (1.2 to 12) µF (12 to 120) µF 120 µF to 1.2 mF (1.2 to 12) mF (12 to 120) mF	0.23 % + 2 pF 0.24 % + 5 pF 0.09 % + 30 pF 0.08 % + 300 pF 0.09 % + 3 nF 0.09 % + 25 nF 0.15 % + 250 nF 0.15 % + 3 µF 0.30 % + 30 µF	Fluke 5560A

II. Fluid Quantities

Parameter/Equipment	Range	CMC[2] (±)	Comments
Piston Operated Volumetric Apparatus	(2 to 10) µl (10 to 50) µl (50 to 200) µl (200 to 1000) µl	0.058 µl 0.10 µl 0.26 µl 2.4 µl	Pipettes Gravimetric method

III. Mechanical

Parameter/Equipment	Range	CMC[2, 4, 6] (±)	Comments
Pressure[3] – Measuring Equipment	(Up to 100) psia (>100 to 300) psia (>300 to 1000) psia	0.04 psia 0.14 psia 0.17 psia	Fluke PPC4 pressure module
Scales & Balances[3]	>100 mg to 20 g (>20 to 250) g >250 g to 1 kg (>1 to 3) kg (>3 to 10) kg (>10 to 20) kg (>20 to 24) kg	0.03 mg + 0.6*R* 0.11 mg + 0.6*R* 0.70 mg + 0.6*R* 2.0 mg + 0.6*R* 4.4 mg + 0.6*R* 16 mg + 0.6*R* 26 mg + 0.6*R*	Class 1 weights

IV. Thermodynamics

Parameter/Equipment	Range	CMC[2, 4, 6] (±)	Comments
Humidity[3] – Measuring Equipment	(10 to 20) % RH (>20 to 50) % RH (>50 to 80) % RH	0.13 % RH + 0.6*R* 0.36 % RH + 0.6*R* 0.76 % RH + 0.6*R*	Thunder Scientific 2500
Humidity[3] – Measure	(10 to 35) % RH (35 to 50) % RH (50 to 80) % RH	0.61 % RH 0.63 % RH 1.1 % RH	Rotronics HC2A-3
Temperature[3] – Measure	-197 °C (-197 to 0) °C (0 to 231) °C (231 to 420) °C	0.003 °C 0.002 °C 0.0045 °C 0.0064 °C	SPRT
Temperature[3] – Measuring Equipment	(-90 to 140) °C	0.06 °C + 0.6*R*	SPRT, Fluke Superthermometer readout & dry block
Temperature – Measuring Equipment Triple Point Water	0.010 °C	0.002 °C	Fluke Mini fixed reference point cells Fluke Superthermometer readout

V. Time & Frequency

Parameter/Equipment	Range	CMC[2, 6] (±)	Comments
Frequency[3] – Measure	(1 to 350) MHz	1.2 µHz/Hz	Frequency counter Keysight 53220A
Frequency[3] – Measuring Equipment	0.01 Hz to 2 MHz	3.3 µHz/Hz	Fluke 5560A

---

[1] This laboratory offers commercial and field calibration service.

[2] Calibration and Measurement Capability (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards or nearly ideal measuring equipment. Calibration and Measurement Capabilities represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of $k = 2$. The actual measurement uncertainty of a specific calibration performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.

[3] Field calibration service is available for this calibration. Please note the actual measurement uncertainties achievable on a customer's site can normally be expected to be larger than the CMC found on the A2LA Scope. Allowance must be made for aspects such as the environment at the place of calibration and for other possible adverse effects such as those caused by transportation of the calibration equipment. The usual allowance for the actual uncertainty introduced by the item being calibrated, (e.g. resolution) must also be considered and this, on its own, could result in the actual measurement uncertainty achievable on a customer's site being larger than the CMC.

[4] In the statement of Calibration and Measurement Capability, *R* represents the numerical value of the resolution of the device. In the statement of CMC, percentages are to be read as percent of reading, unless otherwise noted.

[5] The stated measure values are determined using the indicated instruments (see Comments). This capability is suitable for the calibration of the devices intended to measure or generate the measured value in the ranges indicated. CMC's are expressed as either a specific value that covers the full range or as a percent or fraction of the reading plus a fixed floor specification.

[6] The type of instrument or material being calibrated is defined by the parameter. This indicates the laboratory is capable of calibrating instruments that measure or generate the values in the ranges indicated for the listed measurement parameter.

[7] This scope meets A2LA's *P112 Flexible Scope Policy*.

Accredited Laboratory

A2LA has accredited

ELLAB, INC.

Doylestown, PA

for technical competence in the field of

Calibration

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets the requirements of ANSI/NCSL Z540-1-1994 and R205 – Specific Requirements: Calibration Laboratory Accreditation Program. 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).

Presented this 16th day of June 2026.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 4828.01
Valid to January 31, 2028

For the calibrations to which this accreditation applies, please refer to the laboratory's Calibration Scope of Accreditation.