CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Thermo-Temp, Inc.
813-A Woodcrest
Houston, TX 77018

Fulfills the requirements of

ISO/IEC 17025:2017

and national standards

ANSI/NCSL Z540-1-1994 (R2002) and
ANSI/NCSL Z540.3-2006 (R2013)

In the field of

CALIBRATION

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.

Jason Stine, Vice President

Expiry Date: 12 December 2025
Certificate Number: AC-2535

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

AND

ANSI/NCSL Z540-1-1994 (R2002)
ANSI/NCSL Z540.3-2006 (R2013)

Thermo-Temp, Inc.
813-A Woodcrest
Houston, Texas 77018
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CALIBRATION

Valid to: **December 12, 2025** Certificate Number: **AC-2535**

Electrical – DC/Low Frequency

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
DC Voltage – Source [1]	(0 to 330) mV (0 to 3.3) V (0 to 33) V (30 to 330) V (100 to 1 000) V	16 µV/V + 1 µV 9 µV/V + 2 µV 9 µV/V + 20 µV 14 µV/V + 0.15 mV 14 µV/V + 1.5 mV	Fluke 5522A Multiproduct Calibrator
DC Voltage – Measure [1]	(0 to 100) mV (0.1 to 1) V (1 to 10) V (10 to 100) V (10 to 1 000) V	8 µV/V + 0.3 µV 7 µV/V + 0.3 µV 7 µV/V + 0.5 µV 9 µV/V + 30 µV 10 µV/V + 0.1 mV	HP 3458A 8.5 Digit Multimeter
AC Voltage – Source [1]	(1 to 33) mV (10 to 45) Hz 45 Hz to 10 kHz (10 to 20) kHz (20 to 50) kHz (50 to 100) kHz (100 to 500) kHz (33 to 330) mV (10 to 45) Hz 45 Hz to 10 kHz (10 to 20) kHz (20 to 50) kHz (50 to 100) kHz (100 to 500) kHz	 0.64 mV/V + 6 µV 0.19 mV/V + 6 µV 0.21 mV/V + 6 µV 0.79 mV/V + 6 µV 2.7 mV/V + 12 µV 6.2 mV/V + 50 µV 0.29 mV/V + 8 µV 0.21 mV/V + 8 µV 0.21 mV/V + 8 µV 0.32 mV/V + 8 µV 0.64 mV/V + 32 µV 1.6 mV/V + 70 µV	Fluke 5522A Multiproduct Calibrator

Electrical – DC/Low Frequency

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
AC Voltage – Source [1]	(0.33 to 3.3) V		Fluke 5522A Multiproduct Calibrator
	(10 to 45) Hz	0.23 mV/V + 50 µV	
	45 Hz to 10 kHz	0.12 mV/V + 60 µV	
	(10 to 20) kHz	0.15 mV/V + 60 µV	
	(20 to 50) kHz	0.24 mV/V + 50 µV	
	(50 to 100) kHz	0.54 mV/V + 0.13 mV	
	(100 to 500) kHz	1.8 mV/V + 0.6 mV	
	(3.3 to 33) V		
	(10 to 45) Hz	0.23 mV/V + 0.65 mV	
	45 Hz to 10 kHz	0.12 mV/V + 0.6 mV	
	(10 to 20) kHz	0.19 mV/V + 0.6 mV	
	(20 to 50) kHz	0.27 mV/V + 0.6 mV	
	(50 to 100) kHz	0.7 mV/V + 1.6 mV	
	(33 to 330) V		
	10 Hz to 45 Hz	0.15 mV/V + 2 mV	
	45 Hz to 10 kHz	0.16 mV/V + 6 mV	
	10 kHz to 20 kHz	0.19 mV/V + 6 mV	
	20 kHz to 50 kHz	0.23 mV/V + 6 mV	
	50 kHz to 100 kHz	1.6 mV/V + 50 mV	
	(330 to 1 000) V		
	45 Hz to 1 kHz	0.23 mV/V + 10 mV	
	1 kHz to 5 kHz	0.2 mV/V + 10 mV	
	5 kHz to 10 kHz	0.23 mV/V + 10 mV	
AC Voltage – Measure [1]	Up to 10 mV		HP 3458A 8.5 Digit Multimeter
	(1 to 40) Hz	0.03 % of reading + 3 µV	
	40 Hz to 1 kHz	0.03 % of reading + 1.1 µV	
	(1 to 20) kHz	0.04 % of reading + 1.1 µV	
	(20 to 50) kHz	0.09 % of reading + 1.1 µV	
	(50 to 100) kHz	0.09 % of reading + 1.1 µV	
	(100 to 300) kHz	4.1 % of reading + 2 µV	
	(10 to 100) mV		
	(1 to 40) Hz	0.017 % of reading + 4 µV	
	40 Hz to 1 kHz	0.017 % of reading + 2 µV	
	(1 to 20) kHz	0.022 % of reading + 2 µV	
	(20 to 50) kHz	0.05 % of reading + 2 µV	
	(50 to 100) kHz	0.09 % of reading + 2 µV	
	(100 to 300) kHz	0.31 % of reading + 10 µV	
	300 kHz to 1 MHz	1 % of reading + 10 µV	
	(1 to 2) MHz	1.5 % of reading + 10 µV	

Electrical – DC/Low Frequency

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
AC Voltage – Measure [1]	(0.1 to 1) V		HP 3458A 8.5 Digit Multimeter
	(1 to 40) Hz	0.019 % of reading + 0.4 mV	
	40 Hz to 1 kHz	0.019 % of reading + 0.2 mV	
	(1 to 20) kHz	0.023 % of reading + 0.2 mV	
	(20 to 50) kHz	0.04 % of reading + 0.2 mV	
	(50 to 100) kHz	0.08 % of reading + 0.2 mV	
	(100 to 300) kHz	0.3 % of reading + 1 mV	
	300 kHz to 1 MHz	1 % of reading + 1 mV	
	(1 to 2) MHz	1.5 % of reading + 1 mV	
	(1 to 10) V		
	(1 to 40) Hz	0.008 % of reading + 0.4 mV	
	40 Hz to 1 kHz	0.008 % of reading + 0.2 mV	
	(1 to 20) kHz	0.016 % of reading + 0.2 mV	
	(20 to 50) kHz	0.03 % of reading + 0.2 mV	
	(50 to 100) kHz	0.08 % of reading + 0.2 mV	
	(100 to 300) kHz	0.3 % of reading + 1 mV	
	300 kHz to 1 MHz	1 % of reading + 1 mV	
	(1 to 2) MHz	1.5 % of reading + 1 mV	
	(10 to 100) V		
	1 Hz to 40 Hz	0.02 % of reading + 4 mV	
	40 Hz to 1 kHz	0.02 % of reading + 2 mV	
	(1 to 20) kHz	0.02 % of reading + 2 mV	
	(20 to 50) kHz	0.036 % of reading + 2 mV	
	(50 to 100) kHz	0.12 % of reading + 10 mV	
	(100 to 300) kHz	0.4 % of reading + 10 mV	
	300 kHz to 1 MHz	1.5 % of reading + 10 mV	
	(100 to 1 000) V		
	1 Hz to 40 Hz	0.04 % of reading + 40 mV	
	40 Hz to 1 kHz	0.04 % of reading + 20 mV	
	(1 to 20) kHz	0.06 % of reading + 20 mV	
	(20 to 50) kHz	0.12 % of reading + 20 mV	
	(50 to 100) kHz	0.3 % of reading + 20 mV	

Electrical – DC/Low Frequency

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Resistance – Source [1]	Up to 11 Ω (11 to 33) Ω (33 to 110) Ω (110 to 330) Ω (0.33 to 1.1) Ω (1.1 to 3.3) kΩ (3.3 to 11) kΩ (11 to 33) kΩ (33 to 110) k Ω (110 to 330) kΩ (0.33 to 1.1) kΩ (1.1 to 3.3) MΩ (3.3 to 11) MΩ (11 to 33) MΩ (33 to 110) MΩ (110 to 330) MΩ (0.33 to 1.1) GΩ	0.2 mΩ/Ω + 10 mΩ 27 µΩ/Ω + 15 mΩ 25 µΩ/Ω + 15 mΩ 22 µΩ/Ω + 20 mΩ 22 µΩ/Ω + 20 mΩ 22 µΩ/Ω + 0.2 Ω 22 µΩ/Ω + 0.1 Ω 22 µΩ/Ω + 1 Ω 22 µΩ/Ω + 1 Ω 25 µΩ/Ω + 10 Ω 25 µΩ/Ω + 10 Ω 47 µΩ/Ω + 0.15 kΩ 0.1 mΩ/Ω + 0.25 kΩ 0.19 mΩ/Ω + 2.5 kΩ 0.39 mΩ/Ω + 3 kΩ 2.3 mΩ/Ω + 0.1 MΩ 12 mΩ/Ω + 0.5 MΩ	Fluke 5522A Multiproduct Calibrator
Resistance – Measure [1,2]	Up to 10 Ω (10 to 100) Ω (0.1 to 1) kΩ (1 to 10) kΩ (10 to 100) kΩ (0.1 to 1) MΩ (1 to 10) MΩ (10 to 100) MΩ (0.1 to 1) GΩ	24 µΩ/Ω + 50 µΩ 22 µΩ/Ω + 0.5 mΩ 20 µΩ/Ω + 0.5 mΩ 15 µΩ/Ω + 5 mΩ 15 µΩ/Ω + 50 mΩ 20 µΩ/Ω + 2 Ω 57 µΩ/Ω + 0.1 kΩ 0.53 mΩ/Ω + 1 kΩ 5 mΩ/Ω + 10 kΩ	HP 3458A 8.5 Digit Multimeter
DC Current – Source [1]	(0 to 330) µA (0 to 3.3) mA (0 to 33) mA (0 to 330) mA (0 to 1.1) A (1.1 to 3) A (0 to 11) A (11 to 20.5) A	0.12 mA/A + 20 nA 78 µA/A + 50 nA 78 µA/A + 0.25 µA 78 µA/A + 2.5 µA 0.37 mA/A + 40 µA 0.3 mA/A + 40 µA 0.39 mA/A + 0.5 mA 0.78 mA/A + 0.75 mA	Fluke 5522A Multiproduct Calibrator (Locked Ranges)
DC Current – Measure	(0 to 100) nA (0.1 to 1) µA (1 to 10) µA (10 to 100) µA	36 µA/A + 40 pA 26 µA/A + 40 pA 26 µA/A + 0.1 nA 30 µA/A + 0.8 nA	HP 3458A 8.5 Digit Multimeter
DC Current – Measure	(0.1 to 1) mA (1 to 10) mA (10 to 100) mA (0.1 to 1) A	28 µA/A + 5 nA 28 µA/A + 50 nA 46 µA/A + 0.5 µA 0.12 mA/A + 10 µA	HP 3458A 8.5 Digit Multimeter

Electrical – DC/Low Frequency

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
AC Current – Source [1]	(29 to 330) µA		Fluke 5522A Multiproduct Calibrator
	(10 to 20) Hz	0.17 % of reading + 0.1 µA	
	(20 to 45) Hz	0.14 % of reading + 0.1 µA	
	45 Hz to 1 kHz	0.12 % of reading + 0.1 µA	
	(1 to 5) kHz	0.23 % of reading + 0.2 µA	
	(5 to 10) kHz	0.62 % of reading + 0.2 µA	
	(10 to 30) kHz	1.2 % of reading + 0.4 µA	
	(0.33 to 3.3) mA		
	(10 to 20) Hz	0.17 % of reading + 0.15 µA	
	(20 to 45) Hz	0.12 % of reading + 0.2 µA	
	45 Hz to 1 kHz	0.1 % of reading + 0.2 µA	
	(1 to 5) kHz	0.53 % of reading + 0.2 µA	
	(5 to 10) kHz	0.39 % of reading + 0.3 µA	
	(10 to 30) kHz	0.78 % of reading + 0.6 µA	
	(3.3 to 33) mA		
	(10 to 20) Hz	0.16 % of reading + 2 µA	
	(20 to 45) Hz	0.1 % of reading + 2 µA	
	45 Hz to 1 kHz	0.078 % of reading + 2 µA	
	(1 to 5) kHz	0.062 % of reading + 2 µA	
	(5 to 10) kHz	0.16 % of reading + 3 µA	
	(10 to 30) kHz	0.31 % of reading + 4 µA	
	(33 to 330) mA		
	(10 to 20) Hz	0.16 % of reading + 20 µA	
	(20 to 45) Hz	0.1 % of reading + 20 µA	
	45 Hz to 1 kHz	0.031 % of reading + 20 µA	
	(1 to 5) kHz	0.078 % of reading + 50 µA	
	(5 to 10) kHz	0.16 % of reading + 0.1 mA	
	(10 to 30) kHz	0.31 % of reading + 0.2 mA	
	(0.33 to 1.1) A		
	(10 to 45) Hz	0.14 % of reading + 0.1 mA	
	45 Hz to 1 kHz	0.05 % of reading + 0.1 mA	
	(1 to 5) kHz	0.47 % of reading + 1 mA	
	(5 to 10) kHz	1.9 % of reading + 5 mA	
	(1.1 to 3) A		
	(10 to 45) Hz	0.14 % of reading + 0.1 mA	
	45 Hz to 1 kHz	0.05 % of reading + 0.1 mA	
	(1 to 5) kHz	0.47 % of reading + 1 mA	
	(5 to 10) kHz	1.9 % of reading + 5 mA	

Electrical – DC/Low Frequency

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
AC Current – Source [1]	(3 to 11) A (45 to 500) Hz 500 Hz to 1 kHz (1 to 5) kHz (11 to 20.5) A (45 to 100) Hz 100 Hz to 1 kHz (1 to 5) kHz	 0.05 % of reading + 2 mA 0.08 % of reading + 2 mA 2.3 % of reading + 2 mA 0.09 % of reading + 5 mA 0.12 % of reading + 5 mA 2.3 % of reading + 5 mA	Fluke 5522A Multiproduct Calibrator
AC Current – Measure	(5 to 100) µA (10 to 20) Hz (20 to 45) Hz (45 to 100) Hz 100 to 5 kHz (0.1 to 1) mA (10 to 20) Hz (20 to 45) Hz (45 to 100) Hz 100 to 5 kHz (5 to 20) kHz (20 to 50) kHz (50 to 100) kHz (1 to 10) mA (10 to 20) Hz (20 to 45) Hz (45 to 100) Hz 100 to 5 kHz (5 to 20) kHz (20 to 50) kHz (50 to 100) kHz (10 to 100) mA (10 to 20) Hz (20 to 45) Hz (45 to 100) Hz 100 to 5 kHz (5 to 20) kHz (20 to 50) kHz (50 to 100) kHz	 4.1 mA/A + 30 nA 1.7 mA/A + 30 nA 0.95 mA/A + 30 nA 0.95 mA/A + 30 nA 4.1 mA/A + 0.2 µA 1.7 mA/A + 0.2 µA 0.94 mA/A + 0.2 µA 0.78 mA/A + 0.2 µA 0.94 mA/A + 0.2 µA 4.1 mA/A + 0.4 µA 5.6 mA/A + 1.5 µA 4.1 mA/A + 20 µA 1.7 mA/A + 20 µA 0.93 mA/A + 20 µA 0.32 mA/A + 20 µA 0.61 mA/A + 20 µA 4 mA/A + 40 µA 5.5 mA/A + 0.15 mA 4.1 mA/A + 20 µA 1.7 mA/A + 20 µA 0.95 mA/A + 20 µA 0.33 mA/A + 20 µA 0.62 mA/A + 20 µA 4 mA/A + 40 µA 5.5 mA/A + 0.15 mA	HP 3458A 8.5 Digit Multimeter

Electrical – DC/Low Frequency

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
AC Current – Measure	(0.1 to 1) A (10 to 20) Hz (20 to 45) Hz (45 to 100) Hz 100 to 5 kHz (5 to 20) kHz (20 to 50) kHz	 4.1 mA/A + 0.2 mA 1.8 mA/A + 0.2 mA 0.83 mA/A + 0.2 mA 1 mA/A + 0.2 mA 3 mA/A + 0.2 mA 10 mA/A + 0.4 mA	HP 3458A 8.5 Digit Multimeter
Capacitance – Source [1] (Simulated)	(0.19 to 0.4) nF (0.4 to 1.1) nF (1.1 to 3.3) nF (3.3 to 11) nF (11 to 33) nF (33 to 110) nF (110 to 330) nF (0.33 to 1,1) µF (1.1 to 3.3) µF (3.3 to 11) µF (11 to 33) µF (33 to 110) µF (110 to 330) µF (0.33 to 1.1) mF (1.1 to 3.3) mF (3.3 to 11) mF (11 to 33) mF (33 to 110) mF	3.9 % of reading + 10 pF 1.4 % of reading + 10 pF 1.1 % of reading + 10 pF 0.28 % of reading + 10 pF 0.43% of reading + 10 pF 0.26.% of reading + 10 pF 0.19 % of reading + 30 pF 0.19 % of reading + 1 nF 0.19 % of reading + 3 nF 0.19 % of reading + 10 nF 0.31 % of reading + 30 nF 0.35 % of reading + 0.1 µF 0.35 % of reading + 0.3 µF 0.35 % of reading + 1 µF 0.35 % of reading + 3 µF 0.35 % of reading + 10 µF 0.58 % of reading + 30 µF 0.85 % of reading + 0.1 mF	Fluke 5522A Multiproduct Calibrator
Electrical Simulation of Thermocouple Indicating Devices – Source/Measure [1]	Type J (-210 to -100) °C (-100 to -30) °C (-30 to 150) °C (150 to 760) °C (760 to 1 200) °C Type K (-200 to -100) °C (-100 to -25) °C (-25 to 120) °C (120 to 1 000) °C (1 000 to 1 372) °C	 0.24 °C 0.12 °C 0.13 °C 0.13 °C 0.19 °C 0.35 °C 0.14 °C 0.18 °C 0.2 °C 0.33 °C	Fluke 5522A Multiproduct Calibrator

Electrical – DC/Low Frequency

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Electrical Simulation of Thermocouple Indicating Devices – Source/Measure [1]	Type N		Fluke 5522A Multiproduct Calibrator
	(-200 to -100) °C	0.33 °C	
	(-100 to -25) °C	0.17 °C	
	(-25 to 120) °C	0.17 °C	
	(120 to 410) °C	0.14 °C	
	(410 to 1 300) °C	0.21 °C	
	Type R		
	(0 to 250) °C	0.44 °C	
	(250 to 400) °C	0.27 °C	
	(400 to 1 000) °C	0.26 °C	
	(1 000 to 1 767) °C	0.31 °C	
	Type S		
	(0 to 250) °C	0.37 °C	
	(250 to 1 000) °C	0.28 °C	
	(1 000 to 1 400) °C	0.29 °C	
	(1 400 to 1 767) °C	0.36 °C	
	Type T		
	(-250 to -150) °C	0.49 °C	
	(-150 to 0) °C	0.19 °C	
	(0 to 120) °C	0.12 °C	
	(120 to 400) °C	0.11 °C	
Resistance Simulation of RTD Indicating Devices – Source [1]	Pt 385, 100 Ω		Fluke 5522A Multiproduct Calibrator
	(-200 to -80) °C	0.04 °C	
	(-80 to 0) °C	0.05 °C	
	(0 to 100) °C	0.05 °C	
	(100 to 300) °C	0.07 °C	
	(300 to 400) °C	0.08 °C	
	(400 to 630) °C	0.09 °C	
	(630 to 800) °C	0.18 °C	
	Pt 3926, 100 Ω		
	(-200 to -80) °C	0.04 °C	
	(-80 to 0) °C	0.05 °C	
	(0 to 100) °C	0.07 °C	
	(100 to 300) °C	0.08 °C	
	(300 to 400) °C	0.16 °C	

Electrical – DC/Low Frequency

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Resistance Simulation of RTD Indicating Devices – Source [1]	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	Fluke 5522A Multiproduct Calibrator

Mass and Mass Related

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Rockwell Hardness Testers [1]	HRA Low Middle High HRBW Low Middle High HRC Low Middle High	 0.89 HRA 0.89 HRA 0.53 HRA 1.43 HRBW 1.37 HRBW 1.17 HRBW 0.81 HRC 0.79 HRC 0.71 HRC	Indirect Verification per ASTM E 18 using Test Blocks
Brinell Hardness Testers [1,4]	HBW 106 HBW 223 HBW 451 HBW	 7.2 HBW 7.2 HBW 18 HBW	Indirect Verification per ASTM E 10 using Test Blocks
Pressure Gauges, Differential Pressure Gauges [1,3]	(-14 to 15) psig Up to 150 psig	0.002 9 psi 0.021 psi	Druck DPI150 Pressure/Vacuum Calibrator
	Up to 1 000 psig (200 to 20 000) psig	0.14 psi 4.6 psi	Budenberg CPB5800 Deadweight Tester
	(10 000 to 72 500) psig	4.8 psi	Fluke PG7302 Hydraulic Piston Gauge

Thermodynamic

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Temperature – Measure [1]	(-197 to -80) °C (-80 to -38.84) °C (-38.84 to 0) °C (0 to 231.9) °C (231.9 to 419.5) °C (419.5 to 660) °C	0.016 °C 0.023 °C 0.028 °C 0.082 °C 0.11 °C 0.16 °C	Fluke 1502A Thermometer Readout, Fluke 562xA Secondary PRT
Temperature – Measuring Equipment [1]	(-197 to -80) °C (-80 to -38.84) °C (-38.84 to 0) °C (0 to 231.9) °C (231.9 to 419.5) °C (419.5 to 660) °C	0.02 °C 0.026 °C 0.034 °C 0.1 °C 0.16 °C 0.2 °C	Fluke 1502A Thermometer Readout, Fluke 562xA Secondary PRT, Liquid Bath, Dry Well

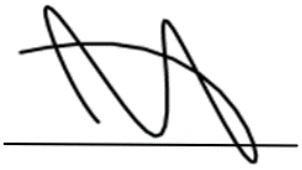
Time and Frequency

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Frequency – Source [1]	10 mHz to 2 MHz	0.000 2 % of reading + 5 µHz	Fluke 5522A Multiproduct Calibrator

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. For 2-wire measurement, add 0.25 Ω.
3. 0.6R will be added to the Measurement Uncertainty at the time of calibration (where R = resolution of the device under calibration).
4. The range value is a nominal value. The actual vale of the standard will be used during calibration and the associated uncertainty will be utilized to calculate measurement uncertainty,
5. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-2535.



Jason Stine, Vice President