



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Isocal LLC
117 Westwood Road
Woodbury, CT 06798

Fulfills the requirements of

ISO/IEC 17025:2017

and

ANSI/NCSL Z540-1-1994 (R2002)

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: 02 June 2025

Certificate Number: AC-3213



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)

Isocal LLC

117 Westwood Rd.
Woodbury, CT 06798
Donald Germain, Jr.

CALIBRATION

Valid to: **June 2, 2025**

Certificate Number: **AC-3213**

Electrical – DC/Low Frequency

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
DC Voltage Measure ¹	Up to 100 mV (0.1 to 3) V (3 to 30) V (30 to 300) V	0.013 mV 0.14 mV 0.68 mV 37 mV	Fluke 753
DC Voltage Source ¹	Up to 100 mV (0.1 to 1) V (1 to 15) V	0.015 mV 0.13 mV 0.96 mV	Fluke 753
AC Voltage Measure ¹ 50/60 Hz	Up to 3 V (3 to 30) V (30 to 300) V	0.011 V 0.074 V 0.91 V	Fluke 753
DC Current Measure ¹	Up to 30 mA (30 to 100) mA	0.005 2 mA 0.029 mA	Fluke 753
DC Current Source ¹	Up to 21 mA	0.003 7 mA	Fluke 753
Resistance Measure ¹	Up to 10 Ω (10 to 100) Ω (100 to 1 000) Ω (1 to 10) kΩ	0.02 Ω 0.036 Ω 0.18 Ω 2.8 Ω	Fluke 753
Resistance Source ¹	Up to 10 Ω (10 to 100) Ω (100 to 1000) Ω (1 to 10) kΩ	0.012 Ω 0.028 Ω 0.29 Ω 3.4 Ω	Fluke 753
Electrical Simulation of RTD Indicators ¹	4 Wire (-180 to 780) °C 3 Wire (-180 to 780) °C	0.42 °C 0.42 °C	Fluke 753

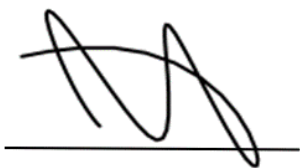
Electrical – DC/Low Frequency

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Electrical Simulation of Thermocouple Indicating Devices ¹	Type K		Fluke 753
	(-180 to -100) °C	0.73 °C	
	(-100 to 500) °C	0.38 °C	
	(500 to 1 000) °C	0.4 °C	
	(1 000 to 1 250) °C	0.63 °C	
	Type J		
	(0 to 400) °C	0.22 °C	
	(400 to 800) °C	0.26 °C	
	Type N		
	(0 to 500) °C	0.35 °C	
	(500 to 1 000) °C	0.37 °C	
	(1 000 to 1 250) °C	0.42 °C	
Type T			
(-200 to -100) °C	0.58 °C		
(-100 to 0) °C	0.29 °C		
(0 to 200) °C	0.25 °C		

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. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-3213.



Jason Stine, Vice President