



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Delta Calibration Services LLC

4190 Vinewood Ln N Suite #111-218

Plymouth, MN 55442

Fulfills the requirements of

ISO/IEC 17025:2017

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.

A handwritten signature in black ink, appearing to be 'Jason Stine', is positioned above a horizontal line.

Jason Stine, Vice President

Expiry Date: 21 September 2025

Certificate Number: AC-3242



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

Delta Calibration Services LLC
4190 Vinewood Ln N Ste #111-218
Plymouth, MN 55442
Dustin Hirth (507) 400-2064

CALIBRATION

Valid to: **September 21, 2025**

Certificate Number: **AC-3242**

Electrical – DC/Low Frequency

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Thermocouple Simulation ¹	Type J		Fluke Multifunction Process Calibrator
	(-200 to -100) °C	1.3 °C	
	(-100 to 200) °C	1.1 °C	
	(200 to 1 200) °C	1.5 °C	
	Type K		
	(-200 to -100) °C	1.3 °C	
	(-100 to 200) °C	0.97 °C	
	(200 to 1 200) °C	1.4 °C	
	Type T		
(-200 to -100) °C	1.9 °C		
(-100 to 200) °C	1.1 °C		
(200 to 400) °C	1.2 °C		

Thermodynamic

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Environmental Temperature Chambers ¹	(-197 to 157) °C	0.005 % of reading + 0.1 °C	Fluke PRT, Fluke Digital Readout

Time and Frequency

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Centrifuges ¹ Time	(36 000 to 86 400) s	0.63 s	Comparison to NIST WWV Signal

Time and Frequency

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Centrifuges ^{1,2} Rotational Speed	(60 to 5 400) rpm (5 400 to 90 000) rpm	0.81 rpm 1.6 rpm	Digital Photo Tachometer
Rotation Speed – Measure ¹	(60 to 5 400) rpm (5 400 to 90 000) rpm	0.81 rpm 1.6 rpm	Digital Photo Tachometer
Rotational Speed – Generate ¹	(60 to 60 000) rpm	1.4 rpm	Multifunction Calibrator, LED
Timing Devices ¹	Up to 36 000 s (36 000 to 86 400) s	0.62 s 0.63 s	Comparison to NIST WWV Signal

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-3242.



Jason Stine, Vice President

