



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Raptor Scientific PPS
81 Fuller Way
Berlin, CT 06037

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.

Jason Stine, Vice President

Expiry Date: 12 April 2028

Certificate Number: AC-3930



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

Raptor Scientific PPS

81 Fuller Way
Berlin, CT 06037

Brandon Rathbun 860-829-0001
brathbun@raptor-scientific.com www.raptor-scientific.com

CALIBRATION

ISO/IEC 17025 Accreditation Granted: **09 April 2026**

Certificate Number: **AC-3930** Certificate Expiry Date: **12 April 2028**

Electrical – DC/Low Frequency

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
4-Wire Measure Resistance	18 Ω	4.7 m Ω	Comparison to Keithley DM65000, Decade box HARS-LX-0.1-K
	160 Ω	26 m Ω	
	1 k Ω	0.17 Ω	
	100 k Ω	22 Ω	
	2 M Ω	8.3 k Ω	

Length – Dimensional Metrology

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Calibration Beams ¹ (X Values)	(11 to 22) in	0.001 4 in	Comparison to Gage blocks, Length Rods, Gage Pins.
Calibration Beams ¹ (Y Values)	(0 to 1) in	0.000 75 in	Comparison to Gage blocks, Length Rods, Gage Pins.
Calibration Beam ¹ (X and Y Values)	(11 to 60) in	0.001 8 in	Comparison to CMM Arm
MW904 Interface Plate ¹	(8 to 9) in	0.000 11 in	Comparison to Gage blocks, Gage Pins.

Length – Dimensional Metrology

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
POI Mass Standard Length ¹	(0 to 12) in	0.001 4 in	Comparison to Gage blocks, Caliper.
Proving Rotor ¹	(2 to 34) in	0.001 8 in	Comparison to CMM Arm

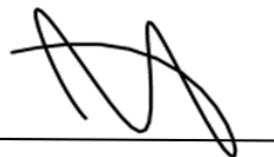
Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Weights / Masses	(1 to 200) g	0.000 64 g	Comparison to Balance (WZ214S)
	(200 to 2 000) g	0.005 4 g	Comparison to Balance (MSE2203S)
	(2 000 to 6 200) g	0.061 g	Comparison to Balance (LA6200S)
	(6 200 to 8 000) g (8 000 to 16 000) g (16 000 to 34 000) g	0.7 g 1.1 g 1.8 g	Comparison to Balance (BP34000-P)
Center of Gravity Moment Calibration ^{1,2}	(0 to 6) lb-in (0 to 60) lb-in (0 to 150) lb-in (0 to 5 000) lb-in (0 to 36 000) lb-in	(M x 0.000 33) + 0.000 17 lb-in (M x 0.000 27) + 0.000 84 lb-in (M x 0.000 13) + 0.053 lb-in (M x 0.000 11) + 0.069 lb-in (M x 0.000 23) + 6.4 lb-in	Mass (Weights) & Distance (Beams) Method
Moment of Inertia Calibration ^{1,3}	(0 to 526 789) lb-in ² (0 to 790 184) lb-in ² (0 to 2 300 000) lb-in ²	(R x 0.000 25) + 0.027 lb-in ² (R x 0.000 18) + 0.82 lb-in ² (R x 0.000 29) + 60 lb-in ²	Mass (Weights) & Distance (Beams) Method

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:

- 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.
- M = moment reading in lb-in., R = moment reading in lb-in².



Jason Stine, Vice President

This Scope of Accreditation, version 003, was last updated on: 09 April 2026 and is valid only when accompanied by the Certificate.

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