

# CERTIFICATE OF ACCREDITATION

## The ANSI National Accreditation Board

Hereby attests that

Prime Tech Sales, Inc. 9300 County Road, Building F Clarence Center, NY 14032

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 <a href="https://www.anab.org">www.anab.org</a>.

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Expiry Date: 05 September 2024 Certificate Number: L2184



ANSI National Accreditation Board



### SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

### Prime Tech Sales, Inc.

9300 County Road, Building F Clarence Center, NY 14032 Amy Cleveland 800-642-4243

#### **CALIBRATION**

Valid to: **September 5, 2024** Certificate Number: **L2184** 

#### **Length – Dimensional Metrology**

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-) <sup>2</sup>	Reference Standard, Method, and/or Equipment
Optical Comparators <sup>1</sup>	(1 to 24) in	(95 + 3.1 <i>L</i> ) μin	Glass Scale
Vision Measurement Systems 1			
Linear Accuracy  X and Y axis  Z axis	(Up to 24) in (Up to 6) in	(41+ 5 <i>L</i> ) μin (37+ 5 <i>L</i> ) μin	Glass Scale/Glass Grid Gage Blocks
Field of View	(Up to 1) in	62 μin	Glass Reticle
CMM Performance Evaluation <sup>1</sup>			
Linear Accuracy	Up to 26 in	(15+ 11 <i>L</i> ) μin	Step Gage
Volumetric	Up to 34.5 in	(17 + 7.1 <i>L</i> ) μin	Ball Bar
Repeatability	(0.75 to 1) in	31 µin	Reference Sphere
PCMM Effective Diameter test	(0.75 to 1) in	59 μin	Spheres





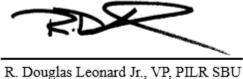
#### **Length – Dimensional Metrology**

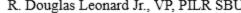
Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-) <sup>2</sup>	Reference Standard, Method, and/or Equipment
PCMM Volumetric Accuracy <sup>1</sup>	(14 to 28) in	(20 + 8.6L)	Certified Length Bar

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.
- L = Length in inches and X = Length in millimeters.
- 3. This scope is formatted as part of a single document including Certificate of Accreditation No. L2184.





Version 004 Issued: September 1, 2022

