



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Advanced Industrial Measurement Systems (AIMS)
2580 Kohnle Drive
Miamisburg, OH 45342

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: 25 May 2027

Certificate Number: AC-2475



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

Advanced Industrial Measurement Systems (AIMS)

2580 Kohnle Drive
 Miamisburg, OH 45342
 Steve Cichanowicz
 937-320-4930

CALIBRATION

Valid to: **May 25, 2027**

Certificate Number: **AC-2475**

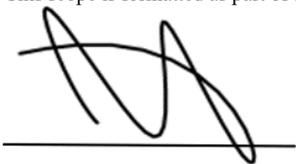
Length – Dimensional Metrology

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-) ²	Reference Standard, Method, and/or Equipment
CMM Linear Accuracy ¹	(0 to 1 000) mm	(0.11 + 3.1L) μm	ASME B89.4.10360.2 Gage Blocks
CMM Linear Accuracy ¹	(0 to 10) m	(0.79 + 0.5L) μm	ASME B89.4.10360.2 Laser interferometer
CMM Volumetric Accuracy ¹	(0 to 900) mm	2 μm	ASME B89.4.1b:2001 Ball-Bar
CMM Repeatability ¹	(19 to 50) mm	0.9 μm	ASME B89.4.1b Datum Sphere
Optical Comparators ^{1,2} X-Y Length	Up to 12 in (12 to 24) in Up to 304.8 mm (304.8 to 609.6) mm	(67 + 1X) μin (87 + 1.3X) μin (1.7 + 1.0L) μm (2.2 + 1.3L) μm	Comparison to Glass Scales
Magnification	5x to 100x	2.2 μm	

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. L = Length in meters, X=Length in inches.
3. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-2475.



Jason Stine, Vice President