



# 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](http://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**

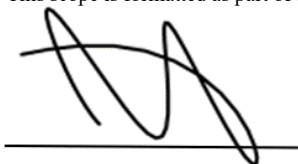
#### Length – Dimensional Metrology

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

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



Jason Stine, Vice President