



# CERTIFICATE OF ACCREDITATION

**ANSI-ASQ National Accreditation Board**

500 Montgomery Street, Suite 625, Alexandria, VA 22314, 877-344-3044

This is to certify that

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

has been assessed by ANAB  
and meets the requirements of international standard

**ISO/IEC 17025:2005**

while demonstrating technical competence in the field of

**CALIBRATION**

Refer to the accompanying Scope of Accreditation for information regarding the types of calibrations to which this accreditation applies.

AC-2475  
Certificate Number

  
ANAB Approval

Certificate Valid: 05/10/2018-05/25/2019  
Version No. 002 Issued: 05/10/2018



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. 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 17025:2005

### Advanced Industrial Measurement Systems (AIMS)

2580 Kohnle Drive  
Miamisburg, OH 45342  
Robert Miller  
937-320-4930

### CALIBRATION

Valid to: May 25, 2019

Certificate Number: AC-2475

#### Length – Dimensional Metrology

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
CMM Linear Accuracy	(0 to 1 000) mm	$(0.4 + 3.2L) \mu\text{m}$	ASME B89.4.10360.2:2008 Gage Blocks
	(0 to 10) m	0.53 $\mu\text{m}$	ASME B89.4.10360.2:2008 Laser interferometer
CMM Volumetric Accuracy	(0 to 900) mm	2.2 $\mu\text{m}$	ASME B89.4.1b:2001 Ball-Bar
CMM Repeatability	(19 to 50) mm	0.83 $\mu\text{m}$	ASME B89.4.10360.2:2008 Datum Sphere

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.
3. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-2475.

Vice President