



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.

A handwritten signature in black ink, appearing to read 'R. Douglas Leonard Jr.', is positioned above a horizontal line.

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 25 May 2023
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, 2023**

Certificate Number: **AC-2475**

Length – Dimensional Metrology

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-) ³	Reference Standard, Method, and/or Equipment
CMM Linear Accuracy ¹	(0 to 1 000) mm	$(0.11 + 3.1L) \mu\text{m}$	ASME B89.4.10360.2 Gage Blocks
CMM Linear Accuracy ¹	(0 to 10) m	$(0.79 + 0.5L) \mu\text{m}$	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

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.



R. Douglas Leonard Jr., VP, PILR SBU