



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 μm | ASME B89.4.10360.2:2008 Laser interferometer |
| CMM Volumetric Accuracy | (0 to 900) mm | 2.2 μm | ASME B89.4.1b:2001 Ball-Bar |
| CMM Repeatability | (19 to 50) mm | 0.83 μm | 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