



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

ACUMENT GLOBAL TECHNOLOGIES - NORTH AMERICA - CALIBRATION LABORATORY

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Belvidere, IL 61008
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CALIBRATION

Valid To: May 31, 2020

Certificate Number: 1155.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations¹:

I. Dimensional

Parameter/Equipment	Range	CMC ^{2,3} (\pm)	Comments
Calipers	Up to 6 in	$(65 + 0.6R) \mu\text{in}$	Grade 0 gage blocks, master rings
Micrometers	Up to 1 in (1 to 6) in	$(50 + 0.6R) \mu\text{in}$ $(85 + 0.6R) \mu\text{in}$	Grade 0 gage blocks
Indicators	Up to 1 in	$(50 + 0.6R) \mu\text{in}$	Indicator calibrator, Grade 0 gage blocks
Inside Diameter	(0.04 to 1) in	35 μin	P&W Labmaster Universal TM , master rings
Outside Diameter	Up to 1 in	35 μin	Grade 0 gage blocks, Supermicrometer TM
Thread Pitch Diameter, O.D.	Up to 1 in	100 μin	3 wire measurement: master thread wires, Supermicrometer TM

Parameter/Equipment	Range	CMC ^{2,3} (±)	Comments
V-Micrometer	(0.052 to 1) in	(50 + 0.6R) μin	Master gage pins
Gage Blocks – Shop Grade Only	Up to 1 in (1 to 4) in	35 μin 40 μin	P&W Labmaster Universal™
Torx Configuration – Circumscribed Diameter	Up to 1 in	35 μin	Supermicrometer™
Inscribed Diameter	Up to 1 in	40 μin	Height gage comparator
Hex Configuration – Across Corners	Up to 1 in	35 μin	Supermicrometer™
Across Flats	Up to 1 in	35 μin	

II. Mechanical

Parameter/Equipment	Range	CMC ² (±)	Comments
Torque Wrenches	(0 to 500) ft·lbf (0 to 200) in·lbf	1.0 % full scale 1.0 % full scale	A.K.O. torque wrench calibrator

¹ This laboratory is not normally available for commercial calibration service.

² Calibration and Measurement Capability Uncertainty (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards or nearly ideal measuring equipment. CMCs represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of $k = 2$. The actual measurement uncertainty of a specific calibration performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.

³ In the statement of CMC, R is the resolution of the device measured in inches.



Accredited Laboratory

A2LA has accredited

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Belvidere, IL

for technical competence in the field of

Calibration

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets R205 – Specific Requirements: Calibration Laboratory Accreditation Program. 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).

Presented this 9th day of May 2018.

A handwritten signature in black ink, likely of the President and CEO, is written over a horizontal line.

President and CEO
For the Accreditation Council
Certificate Number 1155.01
Valid to May 31, 2020



For the calibrations to which this accreditation applies, please refer to the laboratory's Calibration Scope of Accreditation.