SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

ACCURACY INSTRUMENT SERVICE
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Battle Creek, MI 49014
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CALIBRATION

Valid To: February 29, 2020 Certificate Number: 1416.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations[1, 4]:

I. Dimensional

Parameter/Equipment	Range	CMC[2, 3] (±)	Comments
Outside Micrometers	Up to 36 in	(4.5 + 0.6*R*) µin	Gage blocks
Inside Micrometers	Up to 36 in	(4.5 + 0.6*R*) µin	Blocks and block accessories
Depth Micrometers	Up to 12 in	(4.5 + 0.6*R*) µin	Surface plate and gage blocks
Calipers	Up to 60 in	(4.8 + 0.6*R*) µin	Gage blocks and block accessories
Height Gages	Up to 40 in	(4.5 + 0.6*R*) µin	Gage blocks and surface plate
Indicators – Bore Gages	Up to 4 in	(5 + 0.6*R*) µin	Ono Sokki calibrator
Levels	Up to 48 in	(4.5 + 0.6*R*) µin/*L* deg	Master precision levels and surface plates, zero check only

II. Mechanical

Parameter/Equipment	Range	CMC[2] (±)	Comments
Torque Wrenches	(5 to 50) in·lbf (50 to 1000) in·lbf (25 to 250) ft·lbf	1 % of Indicated Value 1 % of Indicated Value 1 % of Indicated Value	Torque transducer

[1] This laboratory offers 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 numerical value of the resolution of the device in microinches; L is the length of the level in inches.

[4] This scope meets A2LA's *P112 Flexible Scope Policy*.

Accredited Laboratory

A2LA has accredited

ACCURACY INSTRUMENT SERVICE, INC.

Battle Creek, MI

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 22nd day of October 2018.

President and CEO
For the Accreditation Council
Certificate Number 1416.01
Valid to February 29, 2020

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