SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

DORSEY METROLOGY CALIBRATION LABORATORY
53 Oakley Street
Poughkeepsie, NY 12601
Michael Sanchez Phone: 845 454 3111

CALIBRATION

Valid To: November 30, 2026 Certificate Number: 2981.01

In recognition of the successful completion of the A2LA evaluation process (including an assessment of the organization's compliance with A2LA's Calibration Program Requirements), accreditation is granted to this laboratory at the location listed to perform the following calibrations[1]:

I. Dimensional

Parameter/Equipment	Range	CMC[2, 4] (±)	Comments
Dial Indicator – High Amplification (High Resolution) 0.00002 in (0.0005 mm) 0.00005 in (0.001 mm) 0.0001 in (0.002 mm)	 Up to 0.050 in Up to 1.30 mm	 27 µin (0.7 µm) 38 µin (1.0 µm) 63 µin (1.6 µm)	MET-7.2.1, calibration tester 521-104
Dial Indicator – Traditional (Low Resolution) 0.0001 in (0.002 mm) 0.00025 in (0.005 mm) 0.0005 in (0.01 mm) 0.001 in (0.02mm)	 Up to 1 in Up to 25.4 mm	 67 µin (1.7 µm) 160 µin (4.0 µm) 290 µin (7.4 µm) 580 µin (14.7 µm)	MET-7.2.1, calibration tester 170-101

Parameter/Equipment	Range	CMC[2, 4] (±)	Comments
Digital Indicator	Up to 1 in	58 µin	MET-7.2.2, gage blocks
ID/OD Gage and Set Master	Up to 48 in OD Length Up to 49 in ID Length	(13*L* + 0.6*R*) µin (13*L* + 0.6*R*) µin	MET-7.2.3, gage blocks
Thickness Gage and Set Master	Up to 6 in	(160 + 0.6*R*) µin	MET-7.2.4, gage blocks
Depth/Height Gage and Set Master	Up to 12 in	(210 + 0.6*R*) µin	MET-7.2.5, gage blocks
Bore Gage –			
0.0001 in (0.0025 mm) Graduation	(1 to 36) in	90 µin (2.3 µm)	MET-7.2.6, bore gage calibrator
0.00025 in (0.0064 mm) Graduation	(1 to 36) in	170 µin (4.3 µm)	
0.0005 in (0.0127 mm) Graduation	(1 to 36) in	300 µin (7.6 µm)	
0.001 in Graduation	(1 to 36) in	590 µin (15 µm)	
Optical Comparator[3] –			MET-7.2.7
Squareness	Up to 9 in	260 µin	Perpendicular master and dial test indicator
Magnification	Up to 24 in (X and Y Axis)	80 µin	Magnification glass master
X,Y Linear Measurement	Up to 24 in (X and Y Axis)	(150 + 86 x L/24) µin	Projection glass master

[1] This laboratory offers commercial calibration service and field service calibrations.

[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] Field calibration service is available for these calibrations. Please note the actual measurement uncertainties achievable on a customer's site can normally be expected to be larger than the CMC found on the A2LA Scope. Allowance must be made for aspects such as the environment at the place of calibration and for other possible adverse effects such as those caused by transportation of the calibration equipment. The usual allowance for the uncertainty introduced by the item being calibrated, (e.g. resolution) must also be considered and this, on its own, could result in the actual measurement uncertainty achievable on a customer's site being larger than the CMC.

[4] In the statement of CMC, L is the numerical value of the nominal length of the device measured in inches, and R is the resolution of the unit under test.

Accredited Laboratory

A2LA has accredited

DORSEY METROLOGY CALIBRATION LABORATORY

Poughkeepsie, NY

for technical competence in the field of

Calibration

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets the requirements of 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 17th day of October 2024.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2981.01
Valid to November 30, 2026
Revised December 18, 2024

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