



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005
& ANSI/NCSL Z540-1-1994

DORSEY METROLOGY CALIBRATION LABORATORY
53 Oakley Street
Poughkeepsie NY 12601
Andrew Totten Phone: 845 454 3111

CALIBRATION

Valid To: November 30, 2020

Certificate Number: 2981.01

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
Dial Indicator – High Amplification (High Resolution)	Up to 0.050 in	23 μ in + 0.6R	5P01WI1, Mitutoyo calibration tester
Course Graduation (Low Resolution)	Up to 1 in	110 μ in + 0.6R	
Digital Indicator	Up to 1 in	39 μ in	5P01WI2, gage blocks
ID/OD Gage and Set Master	Up to 48 in OD Up to 49 in ID Length	12.9L μ in + 0.6R 12.9L μ in + 0.6R	5P01WI3, gage blocks

Parameter/Equipment	Range	CMC ^{2,3} (\pm)	Comments
Thickness Gage and Set Master	Up to 6 in	150 μ in + 0.6 <i>R</i>	5P01WI6, gage blocks
Depth Gage and Set Master	Up to 12 in	190 μ in + 0.6 <i>R</i>	5P01WI7, gage blocks
Bore Gage – 0.0001 in (0.0025 mm) Graduation 0.00025 in (0.0064 mm) Graduation 0.0005 in (0.0127 mm) Graduation 0.001 in Graduation	(1 to 36) in (1 to 36) in (1 to 36) in (1 to 36) in	70 μ in 160 μ in 290 μ in 580 μ in	5P01WI16, bore gage calibrator

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, 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.

SATELLITE LOCATION
DORSEY METROLOGY CALIBRATION LABORATORY
25 Oakley Street
Poughkeepsie, NY 12601

I. Dimensional

Parameter/Equipment	Range	CMC ² (±)	Comments
Optical Comparator ³ –			5P01WI4
Squareness	Up to 8 in	140 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 12 in (12 to 24) in (X and Y Axis)	180 μin 240 μin	Projection glass master

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³ Field calibration service is available for this calibration and this laboratory meets A2LA R104 – General Requirements: Accreditation of Field Testing and Field Calibration Laboratories 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.



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 17025:2005 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets the requirements of ANSI/NCSL Z540-1-1994 and 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 1st day of October 2018.

A handwritten signature in blue ink, written over a horizontal line.

President and CEO
For the Accreditation Council
Certificate Number 2981.01
Valid to November 30, 2020

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