



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

EDMUNDS GAGES
45 Spring Lane
Farmington, CT 06032
John Wilkie Phone: 860 677 2813

CALIBRATION

Valid To: December 31, 2024

Certificate Number: 1198.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations^{1, 5}:

I. Dimensional

Parameter	Range ³	CMC ^{2, 3, 4} (\pm)	Comments
Length 1D (Custom Reference Masters)	Up to 12 in	$(31 + 1.7L) \mu\text{in}$	Surface plate, height master, gage blocks, gage amplifier
Ring Gages (Cylindrical Measure of Diameters)	(0.040 to 2) in (2 to 18) in	$(12 + 0.1D) \mu\text{in}$ $(9 + 1.4D) \mu\text{in}$	Mechanical comparison to master gage blocks
	(0.040 to 13) in	$(12 + 1.7D) \mu\text{in}$	ULM (universal length measuring) comparator
Master Discs and Plug Gages (Cylindrical Measure of Diameters)	(0.040 to 2) in (2 to 18) in	$(12 + 0.1D) \mu\text{in}$ $(10 + 1.3D) \mu\text{in}$	Mechanical comparison to master gage blocks
	(0.040 to 13) in	$(12 + 1.7D) \mu\text{in}$	ULM (universal length measuring) comparator

Parameter	Range ³	CMC ^{2, 3, 4} (\pm)	Comments
Gage Blocks	Up to 20 in	$(3 + 1.3L) \mu\text{in}$	Mechanical comparison to master gage blocks

¹ This laboratory offers commercial calibration services.

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 measurements 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 measurement 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 Arithmetic conversion to metric units (1 inch to 25.4 millimeter) performed when appropriate.

⁴ In the statement of CMC, L is the numerical value of the nominal length of the device expressed in inches; D is the numerical value of the nominal diameter of the device in inches.

⁵ This scope meets A2LA's *P112 Flexible Scope Policy*.



Accredited Laboratory

A2LA has accredited

EDMUNDS GAGES

Farmington, CT

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 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 10th day of January 2023.

A blue ink signature of Trace McInturff.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1198.01
Valid to December 31, 2024

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