



CERTIFICATE OF ACCREDITATION

ANSI-ASQ National Accreditation Board

500 Montgomery Street, Suite 625, Alexandria, VA 22314, 877-344-3044

This is to certify that

Northeast Metrology Inc.
140 Industrial Drive
East Longmeadow, MA 01028

has been assessed by ANAB
and meets the requirements of international standard

ISO/IEC 17025:2005

and national standard

ANSI/NCSL Z540-1-1994

while demonstrating technical competence in the field of

CALIBRATION

Refer to the accompanying Scope of Accreditation for information regarding the types of calibrations to which this accreditation applies.

AC-1519

Certificate Number


ANAB Approval

Certificate Valid: 02/15/2017-02/15/2019
Version No. 005 Issued: 02/15/2017



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. 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 January 2009).



ANSI-ASQ National Accreditation Board

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

Northeast Metrology, Inc.

140 Industrial Drive, East Longmeadow, MA 01028
Mark Kuehl Phone: 413-525-1502

CALIBRATION

Valid to: February 15, 2019

Certificate Number: AC-1519

Dimensional

PARAMETER / EQUIPMENT	RANGE	CALIBRATION AND MEASUREMENT CAPABILITY [EXPRESSED AS UNCERTAINTY (\pm)]	REFERENCE STANDARD OR EQUIPMENT	METHOD(S)
Gage Blocks	Up to 4 in (5 to 20) in	$(1.8 + 2.7L) \mu\text{in}$ $(3 + 3.2L) \mu\text{in}$	NIST Traceable Gage Blocks	NEM 1.0
Regular and Thread Micrometer Standards	(1 to 20) in (21 to 72) in	$(1 + 3.7L) \mu\text{in}$ $(130 + 3.5L) \mu\text{in}$	Universal Measuring Machine(UMM) NIST Traceable Gage Blocks	NEM 14.0
Flute, O.D., Depth, Interchangeable-Anvil Micrometers *	Up to 72 in	$(103 + 4.2L) \mu\text{in}$	NIST Traceable Gage Blocks	NEM 7.0 through NEM 7.5
Caliper / Vernier*	Up to 120 in	$(66 + 3.3L) \mu\text{in}$	NIST Traceable Gage Blocks Ring Gage	NEM 8.0
Pitch/Gear Wire Sets	Up to 120 TPI	13.7 μin	UMM Calibrated Pin Gages	NEM 3.6 NEM 3.5
Thread Plugs	Up to 12 in	$(66 + 2.6L) \mu\text{in}$	UMM NIST Traceable Gage Blocks Pitch wires	NEM 3.1 through NEM 3.4
Thread Rings	Up to 6 in	$(90 + 2.8L) \mu\text{in}$	UMM Thread Set Plugs	NEM 3.2 NEM 3.3





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PARAMETER / EQUIPMENT	RANGE	CALIBRATION AND MEASUREMENT CAPABILITY [EXPRESSED AS UNCERTAINTY (\pm)]	REFERENCE STANDARD OR EQUIPMENT	METHOD(S)
Plain Plugs/Discs	(0.005 to 12) in	(9 + 3.9L) μ in	UMM NIST Traceable Gage Blocks	NEM 2.1
Plain Ring Gages	(0.04 to 10) in	(8 + 4L) μ in	Ring/Disc Comparator NIST Traceable Gage	NEM 2.0
Electronic, Dial, Test Indicators*	(0.000 05 to 4) in	(26 + 4.6L) μ in	Indicator Calibrator	NEM 9.0
V-Blocks	Up to 6 in	(59 + 2.7L) μ in	Assorted Calibrated and NIST Traceable Tools	NEM 25.0
Height Gages*	Up to 24 in	(123 + 3.5L) μ in	NIST Traceable Gage Blocks, Surface Plate	NEM 11.0
Pin Gages	(0.011 to 1) in	(15 + 5.6L) μ in	UMM NIST Traceable Pin Gages Laser Micrometer	NEM 4.0 NEM 4.1
Ball Gages	Up to 2 in	(15 + 2.4L) μ in	UMM, NIST Traceable Gage Blocks	NEM 13.0
Squares	Up to 24 in	(100 + 2L) μ in	Indi-Square, Indicator, Surface Plate	NEM 5.0 NEM 5.1



Notes:

1. *Calibration and Measurement Capabilities (Expanded Uncertainty) are based on approximately a 95% confidence interval, using a coverage of $k=2$.*
2. *This laboratory's capabilities include laboratory and on-site calibration services. Since field (on-site) conditions are typically more variable than those in the laboratory, larger measurement uncertainties are expected in the field (on-site) than what is reported on the accredited scope.*
3. *Calibration parameters marked with an asterisk (*) are available at the customer's facility.*
4. *This scope is formatted as part of a single document including the Certificate of Accreditation No. AC-1519.*



Vice President