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

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CALIBRATION

Valid to: February 15, 2013 Certificate Number: AC-1519

I. Dimensional

PARAMETER / EQUIPMENT	RANGE	CALIBRATION AND MEASUREMENT CAPABILITY [EXPRESSED AS UNCERTAINTY(±)]	REFERENCE STANDARD OR EQUIPMENT	METHOD(S)
Gage Blocks	Up to 4 in (5 to 20) in	(2.7L + 1.8) µin (3.2L + 3) µin	NIST Traceable Gage Blocks	NEM 1.0
Regular and Thread Micrometer Standards	(1 to 20) in (21 to 72) in	(3.7L + 1) µin (3.5L + 130) µin	Universal Measuring Machine(UMM) NIST Traceable Gage Blocks	NEM 14.0
Flute, O.D., Depth, Interchangeable-Anvil Micrometers *	Up to 72 in	(4.2L + 103) µin	NIST Traceable Gage Blocks	NEM 7.0 through NEM 7.5
Caliper / Vernier*	Up to 120 in	(3.3L + 66) µin	NIST Traceable Gage Blocks Ring Gage	NEM 8.0
Pitch/Gear Wire Sets	Up to 120 TPI	13.7µin	UMM Calibrated Pin Gages	NEM 3.6 NEM 3.5
Thread Plugs	Up to 12 in	(2.6L + 66) µin	UMM NIST Traceable Gage Blocks Pitch wires	NEM 3.0
Thread Rings	Up to 6 in	(2.8L + 90) µin	UMM Thread Set Plugs	NEM 3.3
Plain Plugs/Discs	(0.005 to 12) in	(3.9L + 9) µin	UMM NIST Traceable Gage Blocks	NEM 2.1

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Plain Ring Gages	(0.040 to 10) in	(4.0L + 8) µin	Ring/Disc Comparator NIST Traceable Gage Blocks	NEM 2.0
Electronic, Dial, Test Indicators*	(0.00005 to 4) in	(4.6L + 26) µin	Indicator Calibrator	NEM 9.0
V-Blocks	Up to 6 in	(2.7L + 59) µin	Assorted Calibrated and NIST Traceable Tools	NEM 25.0
Height Gages*	Up to 24 in	(3.5L + 123) µin	NIST Traceable Gage Blocks, Surface Plate	NEM 11.0
Pin Gages	(0.011 to 1.00) in	(5.6L + 15) µin	UMM NIST Traceable Pin Gages Laser Micrometer	NEM 4.0
Ball Gages	Up to 2 in	(2.4L + 15) µin	UMM, NIST Traceable Gage Blocks	NEM 13.0
Squares	Up to 24 in	(2.0L + 100) µin	Indi-Square, Indicator, Surface Plate	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 part of and must be included with the Certificate of Accreditation No. AC-1519.*

Vice President

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