



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

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CALIBRATION

Valid to: June 22, 2013

Certificate Number: AC-1231

I. Dimensional

Table with 5 columns: PARAMETER / EQUIPMENT, RANGE, CALIBRATION AND MEASUREMENT CAPABILITY [EXPRESSED AS UNCERTAINTY(±)], REFERENCE STANDARD OR EQUIPMENT, METHOD(S). Rows include Calipers, Micrometers, Indicators and Indicating Gages, Test Indicators, Thread Plugs, Thread Rings, Cylindrical Rings, and Cylindrical Plugs.



PARAMETER / EQUIPMENT	RANGE	CALIBRATION AND MEASUREMENT CAPABILITY [EXPRESSED AS UNCERTAINTY(±)]	REFERENCE STANDARD OR EQUIPMENT	METHOD(S)
Height Gages	Up to 40 in (0.001 in Resolution)	800 µin	Gage Blocks and Surface Plate	OEM
	Up to 40 in (0.0005 in Resolution)	800 µin		
	Up to 40 in (0.0001 in Resolution)	340 µin		
	Up to 40 in (0.00001 in Resolution)	250 µin		
Height Masters	Up to 12 in (12 to 18) in	98 µin 130 µin	Gage Blocks and Electronic Indicator	GIT 3001 or OEM
Micrometer Heads	Up to 2 in	66 µin	Gage Blocks and Electronic Indicator	GGG-C-105c
Thread Wires	(4 to 120) TPI	13.3 µin	ULM with Gage Blocks	ANSI/ASME B1.2
Optical Comparators	Up to 30 in	120 µin	Glass Scale	OEM

Notes:

1. Calibration and Measurement Uncertainties (Expanded Uncertainties) are based on approximately a 95% confidence interval, using a coverage of $k=2$.
2. This laboratory's capabilities include in-laboratory and field (on-site) calibration services. Since field conditions are typically more variable than those in the laboratory, larger measurement uncertainties are expected in the field than what is reported on the accredited scope.
3. The use of (L) signifies an expression of Length in inches.
4. The use of (R) signifies Resolution of the unit under test.
5. This scope is part of and must be included with the Certificate of Accreditation No. AC-1231.

Karl Greenway

Vice-President