



CERTIFICATE OF ACCREDITATION

ANSI-ASQ National Accreditation Board

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

This is to certify that

Angle Calibration
40 South Lane
Troy, OH 45373

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

ISO/IEC 17025:2005

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-1170

Certificate Number


ANAB Approval

Certificate Valid: 05/23/2017-05/23/2019
Version No. 007 Issued: 05/23/2017



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).



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Angle Calibration

40 South Lane

Troy, OH 45373

Carl Angle/Amy Fields

937-335-6520

office@anglecalibration.com www.anglecalibration.com

CALIBRATION

Valid to: May 23, 2019

Certificate Number: AC-1170

Length – Dimensional Metrology

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Gage Blocks	Up to 1 in 2 in 3 in 4in	3.7 µin 6.2 µin 8 µin 9.8 µin	Dual Head Comparator
	(4 to 12) in (12 to 20) in	27 µin 43 µin	ULM Horizontal Metroscope (Retrofitted)
Plug Gages ¹	Up to 4 in (4 to 12) in (12 to 20) in	9 µin 27 µin 43 µin	ULM Horizontal Metroscope (Retrofitted)
Thread Wires	Up to 4 in	9 µin	ULM Horizontal Metroscope (Retrofitted)
Pin Gage Sets ¹	Up to 4 in	9 µin	ULM Horizontal Metroscope (Retrofitted)
Length Standards ¹	Up to 4 in (4 to 12) in (12 to 20) in	9 µin 27 µin 43 µin	ULM Horizontal Metroscope (Retrofitted)
Plain Cylindrical Ring Gages Internal Diameter ¹	(0.36 to 5) in (5 to 16) in	13.3 µin 35 µin	ULM Horizontal Metroscope
Feeler Gage ¹	Up to 4 in	9 µin	ULM Horizontal Metroscope (Retrofitted)
Micrometers ¹ ID Mics, OD Mics	Up to 12 in (12 to 24) in	64.3 µin 748 µin	Gage Blocks
Depth Micrometers ¹	Up to 12 in (12 to 24) in	64.3 µin 748 µin	Gage Blocks



Length – Dimensional Metrology

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Indicator Tester ¹	Up to 4 in	64.3 μin	Gage Blocks
TriMics ¹	Up to 12 in	64.3 μin	Gage Blocks
Dial Bore Gage Tester ¹	Up to 12 in (12 to 24) in	64.3 μin 748 μin	Gage Blocks
Groove Gage ¹	Up to 12 in	64.3 μ in	Gage Blocks
Calipers ¹ Dial Digital Vernier	Up to 12 in (12 to 40) in	OD = 309 μin ID = 331 μin OD = 583 μin ID = 583 μin	Gage Blocks
Height Gages ¹	Up to 12 in (12 to 40) in	309 μin 583 μin	Gage Blocks
Steel Rule ¹ Tape Rule ¹	Up to 12 in (12 to 40) in	309 μin 583 μin	Gage Blocks
Indicators ¹	Travel type – Up to 4 in Lever type – Up to 1 in	113 μin	Indicator Tester
Thread Plug Gages ¹	Up to 4 in Diameter	91 μin	ULM Horizontal Metroscope (Retrofitted)
Thread Ring Gage ¹	Up to 4 in Internal diameter	91 μin	Thread Set Plug Gage
Surface Plate ¹ Flatness	Width: (12 to 50) in Length: (12 to 72) in	426 μin	Planekator
Measurement Over Wires: OD ID	Up to 4 in (0.36 to 5) in	68.17 μin 68.64 μin	ULM Horizontal Metroscope (Retrofitted)

Calibration and Measurement Capability (CMC) is expressed in terms of the measurement parameter, measurement range, expanded uncertainty of measurement and reference standard, method, and/or equipment. The expanded uncertainty of measurement is expressed as the standard uncertainty of the measurement multiplied by a coverage factor of 2 ($k=2$), corresponding to a confidence level of approximately 95%.

Notes:

1. On-site calibration service is available for this parameter, since on-site conditions are typically more variable than those in the laboratory, larger measurement uncertainties are expected on-site than what is reported on the accredited scope
2. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-1170.


 Vice President