



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(s) of

CALIBRATION

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

AC-1170

Certificate Number

ANAB Approval

Certificate Valid To: 05/23/2017
Version No. 001 Issued: 04/06/2015



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

Angle Calibration

40 South Lane, Troy, OH 45373
 Carl Angle/Amy Fields Phone: 937-335-6520
 ccangle@aol.com www.anglecalibration.com

CALIBRATION

Valid to: May 23, 2017

Certificate Number: AC-1170

I. Dimensional

PARAMETER / EQUIPMENT	RANGE	CALIBRATION AND MEASUREMENT CAPABILITY [EXPRESSED AS UNCERTAINTY(±)]	REFERENCE STANDARD OR EQUIPMENT	METHOD(S)
Gage Blocks	Up to 4 in	9.2 μin	Dual Head Comparator	AC-1
	(4 to 12) in	27 μin	ULM Horizontal Metroscope (Retrofitted)	AC-11
	(12 to 20) in	43 μin		AC-38
Plug Gages*	Up to 4 in (4 to 12) in (12 to 20) in	9 μin 27 μin 43 μin	ULM Horizontal Metroscope (Retrofitted)	AC-11
Thread Wires	Up to 4 in	9 μin	ULM Horizontal Metroscope (Retrofitted)	AC-18
Pin Gage Sets*	Up to 4 in	9 μin	ULM Horizontal Metroscope (Retrofitted)	AC-11
Length Standards*	Up to 4 in (4 to 12) in (12 to 20) in	9 μin 27 μin 43 μin	ULM Horizontal Metroscope (Retrofitted)	AC-38
Plain Cylindrical Ring Gages Internal Diameter*	(0.36 to 5) in (5 to 16) in	13.3 μin 35 μin	ULM Horizontal Metroscope	AC-28
Feeler Gage*	Up to 4 in	9 μin	ULM Horizontal Metroscope (Retrofitted)	AC-29
Micrometers* ID Mics, OD Mics	Up to 12 in (12 to 24) in	64.3 μin 748 μin	Gage Blocks	AC-5 AC-9



PARAMETER / EQUIPMENT	RANGE	CALIBRATION AND MEASUREMENT CAPABILITY [EXPRESSED AS UNCERTAINTY(±)]	REFERENCE STANDARD OR EQUIPMENT	METHOD(S)
Depth Micrometers*	Up to 12 in (12 to 24) in	64.3 µin 748 µin	Gage Blocks	AC-6
Indicator Tester*	Up to 4 in	64.3 µin	Gage Blocks	AC-8
TriMics*	Up to 12 in	64.3 µin	Gage Blocks	AC-25
Dial Bore Gage Tester*	Up to 12 in (12 to 24) in	64.3 µin 748 µin	Gage Blocks	AC-30
Groove Gage*	Up to 12 in	64.3 µ in	Gage Blocks	AC-27
Calipers* 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	AC-7
Height Gages*	Up to 12 in (12 to 40) in	309 µin 583 µin	Gage Blocks	AC-3
Steel Rule* Tape Rule*	Up to 12 in (12 to 40) in	309 µin 583 µin	Gage Blocks	AC-23 AC-22
Indicators*	Travel type – Up to 4 in Lever type – Up to 1 in	113 µin	Indicator Tester	AC-4
Thread Plug Gages*	Up to 4 in Diameter	91 µin	ULM Horizontal Metroscope (Retrofitted)	AC-15
Thread Ring Gage*	Up to 4 in Internal diameter	91µin	Thread Set Plug Gage	AC-33
Surface Plate* Flatness	Width: (12 to 50) in Length: (12 to 72) in	426 µin	Planekator	AC-10
Measurement Over Wires: OD ID	Up to 4 in (0.36 to 5) in	68.17 µin 68.64 µin	ULM Horizontal Metroscope (Retrofitted)	AC-45

Notes:

1. *Calibration and Measurement Uncertainties (Expanded Uncertainty) are based on approximately a 95% confidence interval, using a coverage of $k=2$*
2. *Commercial calibrations are available for all items.*
3. *On-site calibration service is available for the (*) asterisk items. 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.*
4. *This scope is formatted as part of a single document including the Certificate of Accreditation No. AC-1170*



Vice-President

