



CERTIFICATE OF ACCREDITATION

ANSI National Accreditation Board

11617 Coldwater Road, Fort Wayne, IN 46845 USA

This is to certify that

Precision Gage Company

100 Shore Drive

Burr Ridge, IL 60527

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

ISO/IEC 17025:2017

while demonstrating technical competence in the field of

CALIBRATION

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

AC-2664

Certificate Number



ANAB Approval

Certificate Valid Through: 03/28/2021
Version No. 002 Issued: 02/28/2020



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. 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 April 2017).



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

Precision Gage Company

100 Shore Drive
Burr Ridge, IL 60527
RG Layland
630-655-2121

CALIBRATION

Valid to: March 28, 2021

Certificate Number: AC-2664

Length – Dimensional Metrology

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-) ²	Reference Standard, Method, and/or Equipment
Surface Plate Flatness ¹	Up to 360 in Diagonal	$(4.9 + 1.03D) \mu\text{in}$	Optodyne LDDM Laser Measurement System
Repeatability ¹	0.001 in	28.9 μin	Repeat-O-Meter
Micrometers	(0 to 5) in	$(56 + 5L) \mu\text{in}$	Gage Blocks
Calipers	(0 to 6) in	0.00058 in	Gage Blocks
Dial Indicators	(0 to 1) in	61 μin	Gage Blocks
Inside Diameter	(0.040 to 6) in	$(2.73L + 21) \mu\text{in}$	Measuring Machine with Master Rings
Single Axis Length			
Inside Dimension	(0.040 to 9) in	$(2.38L + 17) \mu\text{in}$	Measuring Machine with Gage Blocks
Outside Dimension	Up to 5 in	$(2.14L + 14) \mu\text{in}$	



Length – Dimensional Metrology

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-) ²	Reference Standard, Method, and/or Equipment
Gears/Splines			
Runout	Up to 15 in diameter	$(7.78L + 38.4) \mu\text{in}$	CMM and Rotary Table
Profile	Up to 15 in diameter	$(6.67L + 41.21) \mu\text{in}$	
Cumulative Pitch	Up to 15 in diameter	$(7.44L + 39.84) \mu\text{in}$	
Adjacent Pitch	Up to 15 in diameter	$(7.8L + 36.94) \mu\text{in}$	
Lead Error	Up to 8 in length	$(14.58L + 36.67) \mu\text{in}$	
Measure Over Wires	Up to 5 in	$(1.92L + 18.37) \mu\text{in}$	Gear Wires, Measuring Machine and Gage Blocks
Measure Between Wires	(0.04 to 10) in	$(1.56L + 20.46) \mu\text{in}$	

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. D = Diagonal length in inches. L = Length in inches
3. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-2664.



Vice President