



CERTIFICATE OF ACCREDITATION

ANSI-ASQ National Accreditation Board

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

This is to certify that

Precision Calibration and Testing Corporation
3799 Concord Road
York, PA 17402

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

ISO/IEC 17025:2005

while demonstrating technical competence in the fields of

CALIBRATION AND TESTING

Refer to the accompanying Scope of Accreditation for information regarding the types of calibrations and/or tests to which this accreditation applies.

ACT-2026

Certificate Number



ANAB Approval

Certificate Valid: 02/14/2018-02/17/2020
Version No. 004 Issued: 02/14/2018



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 April 2017).



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Precision Calibration and Testing Corporation

3799 Concord Road, York, PA 17402-0658

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CALIBRATION AND TESTING

Valid to: February 17, 2020

Certificate Number: ACT-2026

Dimensional Calibration

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Calipers	Up to 24 inches	$(800 + 6.7L) \mu\text{in}$	Gage Blocks
Micrometers	OD up to 24 inches ID up to 80 inches	$(84 + 1.2L) \mu\text{in}$	Gage Blocks
Height Gages, Indicators	Up to 18 inches	$(620 + 6.7L) \mu\text{in}$	Gage Blocks
Gage Blocks	Up to 20 inches	$(16 + 3.4L) \mu\text{in}$	Gage Block Comparators Master Gage Blocks
Length Standards	Up to 100 inches	$(22 + 3.4L) \mu\text{in}$	Measurement Machine Gage Blocks
Plain Rings	Up to 6 inches	13 μin	Master Ring Measurement Machine
Cylindrical Plug Gages	up to 6 inches	33 μin	Measurement Machine Gage Blocks
Thread Plug Gages	Up to 6 inches	120 μin	Measurement Machine Thread Wires
Threaded Rings	Up to 6 inches	120 μin	Measurement Machine Gage Blocks Setting Plug Gages



Mechanical Calibration

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Torque Wrenches	Up to 1 000 ft-lb Up to 100 inch- lb	2.9 lb 0.67 lb	Master Torque Tester Master Weight Set Master Pressure Transducer
Pressure Gages	Up to 20 000 PSI Up to 100 PSI	2.1 PSI 0.4 PSI	Digital Pressure Transducers, Dead Weigh Tester, Master Weight Set Pressure Calibrator

Electromagnetic DC/Low Frequency

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Thermocouple Simulation and Measure			
K-Type Thermocouple	(-200 to 1 300) °C	0.94° C	Temperature Controller Fluke 724
J-Type Thermocouple	(-200 to 1 200) °C		
T-Type Thermocouple	(-200 to 400) °C		

Mechanical Testing

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Fluorescent or Visible Dye Liquid Penetrant	ASTM E 1417-05 ASTM E 1209 ASTM E 1316	Metal	Pressure Gage Visual UV & White light
Wet or Dry Magnetic Particle Inspection	ASTM E 1444, A 275, E709 MIL STD – 271, 6868,1949	Metal	Magna Flux Magnetizer Visual UV & White light
X Ray Radiography	MIL-STD 271, ASTM 1030, AWS D1.1, SAE – AMS 2175	Metal	Seifert 320 kV X ray Machine
Visual Testing	AWS 9.1.1 ASME Sec V & VIII	Metal	White light
NDT Ultrasonic* Thickness Measurement	ASME Boiler & Pressure Vessel Code Section V	Metal	Ultrasonic Digital Thickness Gages, Couplant

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. Capabilities are available for commercial calibration activity.
2. The use of (L) signifies an expression of Length in inches.
3. Mechanical Testing marked with an (*) are available at the customer's facility.
4. This scope is formatted as part of a single document including Certificate of Accreditation No. ACT-2026.

