



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

ADVANCED TECHNOLOGY SERVICES  
1407 Pelzer Highway  
Easley, SC 29642  
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CALIBRATION

Valid To: February 29, 2020

Certificate Number: 1592.07

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations:

I. Dimensional

Parameter/Equipment	Range	CMC <sup>2,3</sup> (±)	Comments
Calipers	(0 to 6) in	(350 μin + 12L) μin	Gage blocks
Height Gages	(0 to 1) in	(140 μin + 6.0L) μin	Gage blocks, surface plate
Plug Gages	(0 to 6) in	(100 μin + 7.3L) μin	Labmaster™
Plain Ring Gages	(0.25 to 2) in	(43 μin + 6.7L) μin	Labmaster™ w/ master ring gages
Thread Plugs – Major Diameter	(0.25 to 3) in	(2.8 μin + 7.6L) μin	Labmaster™, thread wires
Pitch Diameter	(5 to 24) TPI	(41 μin - 2L) μin	

## II. Mechanical

Parameter/Equipment	Range	CMC <sup>2</sup> (±)	Comments
Pressure Gages	(10 to 1000) psi (1000 to 10 000) psi	0.042 psi + 0.0030 psi/psi 3.8 psi + 0.001 psi/psi	Hydraulic deadweight pressure balance

## III. Time and Frequency

Parameter/Equipment	Range	CMC <sup>2</sup> (±)	Comments
Stopwatches	(1 to 999) s	0.19 s	NIST Reference WWV

<sup>1</sup> This laboratory offers commercial calibration services.

<sup>2</sup> Calibration and Measurement Capability Uncertainty (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards or nearly ideal measuring equipment. Calibration and Measurement Capabilities represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of  $k = 2$ . The actual measurement uncertainty of a specific calibration performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.

<sup>3</sup> The statement of CMCs,  $L$  is the numerical value of the nominal length of the device measured in microinches.



## *Accredited Laboratory*

A2LA has accredited

### **ADVANCED TECHNOLOGY SERVICES**

*Easley, SC*

for technical competence in the field of

# withdrawn

This laboratory is accredited in accordance with the recognize international Standard ISO/IEC 17025:2005 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets R205 – Specific Requirements: Calibration Laboratory Accreditation Program. 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 8 January 2009).



Presented this 16<sup>th</sup> day of January 2018.

A handwritten signature in black ink, written over a horizontal line.

President and CEO  
For the Accreditation Council  
Certificate Number 1592.07  
Valid to February 29, 2020  
Revised on November 8, 2018

*For the calibrations to which this accreditation applies, please refer to the laboratory's Calibration Scope of Accreditation.*