



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

CUSTOM MANUFACTURING AND ENGINEERING

3690 70th Ave North
Pinellas Park, FL 33781
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CALIBRATION

Valid To: August 31, 2022

Certificate Number: 4081.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations^{1, 5}:

I. Mechanical

Parameter/Equipment	Range	CMC ^{2, 3, 4} (±)	Comments
Pressure – Measure	(0.75 to 1.5) inHga (>1.5 to 32) inHga (>32 to 106) inHga (>106 to 2036) inHga	0.000 04 % + 0.004 inHg 0.000 15 % + 0.004 inHg 0.000 85 % + 0.0003 inHg 0.0030 % + 0.0002 inHga	Fluke 2468 pitot/static primary standard

¹ This laboratory offers limited commercial calibration services.

² 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. CMCs 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.

³ In statements of CMC, percentages are percentages of reading, unless otherwise indicated.

⁴ The type of instrument or material being calibrated is defined by the parameter. This indicates the laboratory is capable of calibrating instruments that measure or generate the values in the ranges indicated for the listed measurement parameter.

⁵ This scope meets A2LA's *P112 Flexible Scope Policy*.



Accredited Laboratory

A2LA has accredited

CUSTOM MANUFACTURING AND ENGINEERING

Pinellas Park, FL

for technical competence in the field of

Calibration

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



Presented this 4th day of January 2021.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 4081.01
Valid to August 31, 2022

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