



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

PARAMETRIC, INC.
4065 E La Palma Ave, Suite C
Anaheim, CA 92807
Drew Harris Phone: 714 694 6500

CALIBRATION

Valid To: April 30, 2023

Certificate Number: 3865.01

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. Chemical

Parameter	Range	CMC ^{2,4} (±)	Comments
Conductivity – Measuring Equipment, Fixed Points ³	1 µS 10 µS 100 µS 1413 µS 10 004 µS	0.35 µS 0.47 µS 1.1 µS 5.5 µS 38 µS	Standard conductivity solution

II. Mechanical

Parameter	Range	CMC ² (±)	Comments
Non-Contact Tachometer	Up to <50 RPM (≥50 to <500) RPM (≥500 to <5000) RPM (≥5000 to <50 000) RPM (≥50 000 to <200 000) RPM	0.0023 RPM 0.0034 RPM 0.014 RPM 0.13 RPM 1.3 RPM	Fluke 5522A calibrator or equivalent

Parameter	Range	CMC ^{2,4} (\pm)	Comments
Vacuum – Measuring Equipment ³	Up to 30 inHg	0.077 inHg	Heise PTE-2 calibrator with Heise HM2-2 vacuum module or equivalent
Pressure – Measuring Equipment ³	(0 to 10) inH ₂ O	0.0015 inH ₂ O	Fluke 7250LP or equivalent
Pressure – Measuring Equipment ³	(0 to 45) PSIG (>45 to 200) PSIG	0.23 PSI 0.25 PSI	Heise PTE-2 calibrator with Heise HM2-2 pressure module or equivalent

III. Thermodynamics

Parameter	Range	CMC ^{2,4} (\pm)	Comments
Humidity – Measure & Measuring Equipment ³	(10 to <20) % RH (\geq 20 to <60) % RH (\geq 60 to <85) % RH (\geq 85 to 95) % RH	1.2 % RH 1.4 % RH 1.5 % RH 2.1 % RH	Vaisala MI70 with HMP77B or equivalent
Temperature – Measure & Measuring Equipment ³	(-200 to 200) °C (>200 to 420) °C (>420 to 660) °C	0.012 °C 0.036 °C 0.051 °C	Precision thermometer with PRT or equivalent

¹ This laboratory offers commercial calibration service and field calibration service.

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 Field calibration service is available for this calibration. Please note the actual measurement uncertainties achievable on a customer's site can normally be expected to be larger than the CMC found on the A2LA Scope. Allowance must be made for aspects such as the environment at the place of calibration and for other possible adverse effects such as those caused by transportation of the calibration equipment. The usual allowance for the actual uncertainty introduced by the item being calibrated, (e.g. resolution) must also be considered and this, on its own, could result in the actual measurement uncertainty achievable on a customer's site being larger than the CMC.

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 *PI12 Flexible Scope Policy*.





Accredited Laboratory

A2LA has accredited

PARAMETRIC, INC.

Anaheim Hills, CA

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 the requirements of 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 9th day of March 2021.

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

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3865.01
Valid to April 30, 2023
Revised March 22, 2023

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