



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

VAISALA INC.
3 Van de Graaff Drive
Burlington, MA 01803
Matthew Nocivelli Phone: 781 537 1092

CALIBRATION

Valid To: December 31, 2025

Certificate Number: 2083.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations^{1, 4}:

I. Chemical

Parameter/Equipment	Range	CMC ^{2, 5} (±)	Comments
CO ₂ Monitors	0 % CO ₂ (0.0167 to 3) % CO ₂ (> 3 to 20) % CO ₂	0.001 % CO ₂ 0.001 % CO ₂ + 1 % 0.005 % CO ₂ + 1 %	CO ₂ volume fraction in gas

II. Mechanical

Parameter/Equipment	Range	CMC ^{2, 3} (±)	Comments
Pressure – Measuring Equipment	(500 to 1100) hPa	0.066 hPa	Fluke DHI PPC4

III. Thermodynamics

Parameter/Equipment	Range	CMC ^{2,3} (\pm)	Comments
Relative Humidity – Measure	(10 to 30) % RH (> 30 to 45) % RH (> 45 to 95) % RH 0 % RH	0.50 % RH 0.60 % RH 0.62 % RH 0.10 % RH	Two pressure humidity chamber Thunder Scientific 2500 Vaisala DMT348 dewpoint transmitter
Temperature – Measure	(-80 to 180) °C (-90 to 75) °C (0 to 15) °C (> 15 to 25) °C (> 25 to 40) °C	0.054 °C 0.030 °C 0.34 °C 0.13 °C 0.19 °C	Fluke Hart Scientific 2560 w/5614 or 5615 probe Fluke Hart Scientific 2560 w/5626 PRT Thunder Scientific 2500
Dewpoint	(> -60 to -10) °C (> -60 to 10) °C (-80 to -60) °C	0.73 °C 0.70 °C 0.90 °C	Thunder Scientific 3900 MBW 373LX

¹ This laboratory offers commercial 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 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.

⁴ This scope meets A2LA's *P112 Flexible Scope Policy*.

⁵ In the statement of CMC, percentages are percentages of reading, unless otherwise indicated.



Accredited Laboratory

A2LA has accredited

VAISALA INC.

Burlington, MA

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 4th day of December 2023.

A blue ink signature of Mr. Trace McInturff.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2083.01
Valid to December 31, 2025
Revised October 17, 2024

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