



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

PARTICLE MEASURING SYSTEMS S.R.L.
Via di Grotte Portella, 34
00044 Frascati (Rome), ITALY
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CALIBRATION

Valid To: June 30, 2027

Certificate Number: 7150.01

In recognition of the successful completion of the A2LA evaluation process (including an assessment of the organization's compliance with R205 – A2LA's Calibration Program Requirements), accreditation is granted to this laboratory to perform the following calibrations¹:

I. Fluid Quantities

Parameter/Equipment	Range	CMC ^{2,4} (±)	Comments
Flow – Microbial and Molecular Contamination Monitors ³ Gas	(20 to 50) lpm (>50 to 110) lpm	4.5 % 4.1 %	Comparison against a standard flowmeter

II. Optical Quantities

Parameter/Equipment	Range	CMC ^{2,4} (±)	Comments
Aerosol Particle Counter ³ – Counting Efficiency	(0.1 to 1.0) µm	4.1 %	ISO 21501-4 Comparison against a standard particle counter
Particle Size	(0.1 to 5.0) µm	(External PHA): 1.7 % (Internal PHA): 1.3 %	Comparison against standard particles

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 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 Calibration and Measurement Capability Uncertainty (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 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 In the statement of CMC, percentages are to be read as percent of reading, unless indicated otherwise.



Accredited Laboratory

A2LA has accredited

PARTICLE MEASURING SYSTEMS S.R.L.

Frascati (Rome), ITALY

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 13th day of May 2025.

A blue ink signature of Mr. Trace McInturff.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1750.01
Valid to June 30, 2027

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