



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

BROOKS INSTRUMENT
407 West Vine Street
Hatfield, PA 19440
Seksan Dheandhanoo Phone: 215 362 3789

CALIBRATION

Valid to: July 30, 2024

Certificate Number: 5423.01

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. Fluid Quantities

Parameter/Equipment	Range	CMC ^{2, 3, 4} (±)	Comments
Gas Flow Rate – Measure and Measuring Equipment	(6 to 50) sccm (>50 to 60 000) sccm	0.34 % 0.24 %	MESA-Dry Cal calibration and test stands
	(6 to 50) sccm (>50 to 80 000) sccm	0.36 % 0.25 %	TRS - Dry Cal calibration and test stands

¹ This laboratory offers commercial calibration service for the products manufactured by Brooks Instrument LLC only.

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 the statement of CMC, the value is defined as the percentage of reading.

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

BROOKS INSTRUMENT

HATFIELD, PA

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 12th day of May 2022.

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

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 5423.01
Valid to July 30, 2024
Revised April 23, 2024

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