



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

FLEXIM AMERICAS CORPORATION
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Edgewood, New York 11717
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CALIBRATION

Valid To: June 30, 2019

Certificate Number: 3791.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations and dimensional inspections¹:

I. Fluid Quantities

Parameter/Equipment	Range	CMC ² (±)	Comments
Volumetric Flowrate – Liquid Flowmeters/ Transducers:			
S & Q Shear Wave	(20 to 200) gpm	1.0 % of rate	Computer controlled flow calibration rig
M Shear Wave	(100 to 900) gpm	1.0 % of rate	
Q Shear Wave	(200 to 2860) gpm	0.15 % of rate	Computer controlled aperture calibration rig
M & P Shear Wave	(441 to 4848) gpm	0.15 % of rate	
K & H Shear Wave	(1098 to 10 993) gpm	0.15 % of rate	
G Shear Wave	(2636 to 30 755) gpm	0.15 % of rate	
Gas Flowmeters/ Transducers:			
G Lamb Wave	(1766 to 22 959) ACFH	0.15 % of rate	Computer controlled aperture calibration rig
M & P Lamb Wave	(3533 to 38 876) ACFH	0.15 % of rate	
K & H Lamb Wave	(8812 to 88 152) ACFH	0.15 % of rate	
G Lamb Wave	(21 146 to 246 651) ACFH	0.15 % of rate	

Parameter/Equipment	Range	CMC ² (±)	Comments
Flow Velocity ³	(1 to 40) ft/s	2.0 % of rate	Synchronized totalizer accumulation method. Volumetric flowrate calculated according to pipe geometry

¹ Commercial calibration service and field calibration service is sometimes available for this laboratory.

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. CMC's 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 and this laboratory meets A2LA R104 – *General Requirements: Accreditation of Field Testing and Field Calibration Laboratories* for these calibrations. 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.



Accredited Laboratory

A2LA has accredited

FLEXIM AMERICAS CORPORATION

Edgewood, NY

for technical competence in the field of

Calibration

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *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 31st day of May 2016.

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

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3791.01
Valid to June 30, 2019
Revised May 31, 2019

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