



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ASSOCIATED SCALE, LLC
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 North Bend, OH 45052
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CALIBRATION

Valid To: May 31, 2024

Certificate Number: 1585.01

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. Mechanical

Parameter/Equipment	Range	CMC ^{2,4} (±)	Comments
Scales ³ – Class II	Up to 100 g (100 to 200) g (200 to 500) g (500 to 1000) g (1000 to 10 000) g	0.27 mg + 0.6R 0.48 mg + 0.6R 1.5 mg + 0.6R 2.5 mg + 0.6R 32 mg + 0.6R	ASTM Class 1 weights
	(10 to 30) kg (30.1 to 60) kg	1.9 g + 0.6R 3.9 g + 0.6R	ASTM Class F weights
Scales ³ – Class III and IIIL	Up to 5 lb (5 to 10) lb (10 to 20) lb (20 to 50) lb (60 to 100) lb (100 to 200) lb (200 to 500) lb	0.000 79 lb + 0.6R 0.0014 lb + 0.6R 0.0029 lb + 0.6R 0.0037 lb + 0.6R 0.0099 lb + 0.6R 0.020 lb + 0.6R 0.051 lb + 0.6R	Class F weights By substitution using railway weights or scale test car

Parameter/Equipment	Range	CMC ^{2,4} (\pm)	Comments
Scales ³ – Class III and III L (cont)	(501 to 1000) lb (1001 to 5000) lb (5001 to 10 000) lb (10 001 to 20 000) lb (20 001 to 30 000) lb (30 001 to 40 000) lb (40 001 to 50 000) lb (50 001 to 64 500) lb	0.051 lb + 0.6R 0.22 lb + 0.6R 0.51 lb + 0.6R 0.90 lb + 0.6R 1.3 lb + 0.6R 1.7 lb + 0.6R 2.6 lb + 0.6R 3.1 lb + 0.6R	Class F weights By substitution using railway weights or scale test car

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 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.

⁴ In the statement of CMC, R is the resolution of the device under test.

⁵ This scope meets A2LA's *P112 Flexible Scope Policy*.



Accredited Laboratory

A2LA has accredited

ASSOCIATED SCALE, LLC

North Bend, OH

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 20th day of July 2022.

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

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1585.01
Valid to May 31, 2024

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