



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017
& ANSI/NCSL Z540-1-1994

AMERICAN SCALE & EQUIPMENT CO., INC.
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Baltimore, MD 21221
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CALIBRATION

Valid To: August 31, 2021

Certificate Number: 2048.01

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 (±)	Comments
Analytical Balances ³	(0 to 200) g (200 to 400) g	0.66 mg 1.4 mg	Class 1 weights
Top Loader Balances ³	(0 to 12) kg (12 to 150) kg	0.13 g 0.38 kg	Class 2 weights, Class F weights
Scales ^{3, 4} –			
Industrial	(0 to 200) lb (200 to 500) lb (500 to 1000) lb (1000 to 5000) lb (5000 to 10 000) lb (10 000 to 20 000) lb	0.024 lb 0.059 lb 0.13 lb 0.82 lb 1.6 lb 3.7 lb	Class F weights
Vehicle	Up to 160 000 lb	12 lb	
Heavy Capacity	Up to 400 000 lb	29 lb	

¹ This laboratory offers commercial 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. 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.

⁴ Pursuant with Handbook 44, the ranges listed are the scale capacities in relation to the 12.5 % calibration load requirements.

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



Accredited Laboratory

A2LA has accredited

AMERICAN SCALE & EQUIPMENT CO., INC.

Baltimore, MD

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 ANSI/NCSL Z540-1-1994 and any additional program requirements in the field of calibration. 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 26th day of November 2019.

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

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2048.01
Valid to August 31, 2021

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