SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005
& ANSI/NCSL Z540-1-1994

SECURITY SCALE SERVICE, INC.
1519 11th Street
Roanoke, VA 24012
Karl A. Robertson Phone: 540 362 5800

CALIBRATION

Valid until: July 31, 2020 Certificate Number: 1820.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations[1]:

I. Mechanical

Parameter	Range	CMC[2] (±)	Comments
Balances[3, 4] – Analytical	Up to 10 g (10 to 20) g (20 to 50) g (50 to 100) g (100 to 200) g (200 to 400) g	0.081 mg 0.1 mg 0.15 mg 0.29 mg 0.58 mg 1.2 mg	ASTM E898 ASTM Class 1 weights
Scales and Balances[3, 4]	Up to 5 lb (5 to 10) lb (10 to 20) lb (20 to 50) lb (50 to 100) lb (100 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	0.000 65 lb 0.0013 lb 0.0026 lb 0.0065 lb 0.013 lb 0.026 lb 0.065 lb 0.13 lb 0.65 lb 1.3 lb 2.6 lb	NIST Class F weights
Scales[3, 4]	Up to 120 000 lb (truck) Up to 400 000 lb (railroad)	13 lb 30 lb	NIST Class F weights NIST Class F weights

[1] This laboratory offers commercial calibration service and field calibration service.

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[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 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] Calibration procedures are based on NIST Handbook 44 section 2.20 test procedures.

Accredited Laboratory

A2LA has accredited

SECURITY SCALE SERVICE, INC.

Roanoke, VA

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 the requirements of ANSI/NCSL Z540-1-1994 and 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 8th day of August 2018.

President and CEO
For the Accreditation Council
Certificate Number 1820.01
Valid to July 31, 2020

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