



THE AMERICAN ASSOCIATION FOR
LABORATORY ACCREDITATION

ACCREDITED LABORATORY

A2LA has accredited

STERLING SCALE **Southfield, MI**

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 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 8 January 2009*).



Presented this 16th day of March 2009.

A handwritten signature in black ink, appearing to read "Peter Abney".

President
For the Accreditation Council
Certificate Number 1448.01
Valid to March 31, 2011

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



American Association for Laboratory Accreditation

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

STERLING SCALE
20950 Boening Dr.
Southfield MI 48075
Keith Bonka Phone: 248 358 0590

CALIBRATION

Valid To: March 31, 2011

Certificate Number: 1448.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations¹:

I. Mechanical

Parameter/Equipment	Range	Best Uncertainty ² (±)	Comments
Verification of Scales (Including Truck, Floor, and Crane Scales) ³ –			Verification using Handbook 44 with:
Class III	(0 to 20) lb (20 to 50) lb (50 to 500) lb (500 to 1000) lb (1000 to 5000) lb (5000 to 10 000) lb (10 000 to 20 000) lb (20 000 to 40 000) lb	0.002 lb 0.01 lb 0.11 lb 0.14 lb 0.5 lb 1.2 lb 2.1 lb 6 lb	Class F weights
Class III L	(40 000 to 100 000) lb (100 000 to 200 000) lb	13 lb 25 lb	Class F weights
Verification of Precision Scales			
Class I	(0 to 200) g	0.63 mg	Class 1 weights
Class II	(200 to 500) g 500 g to 2 kg (2 to 10) kg (10 to 30) kg	1.3 mg 5.5 mg 28 mg 0.34 g	Class 1 & 2 weights



This laboratory offers commercial calibration and field calibration service.

² "Best Uncertainty" 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 of nearly ideal measuring equipment. Best uncertainties represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of $k = 2$. The best uncertainty of a specific calibration performed by the laboratory may be greater than the best uncertainty 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 uncertainties achievable on a customer's site can normally be expected to be larger than the Best Measurement Capabilities (BMC) that the accredited laboratory has been assigned as Best Uncertainty 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 uncertainty introduced by the item being calibrated, (e.g. resolution) must also be considered and this, on its own, could result in the calibration uncertainty being larger than the BMC.

