



THE AMERICAN ASSOCIATION FOR
LABORATORY ACCREDITATION

ACCREDITED LABORATORY

A2LA has accredited

METTLER TOLEDO (INDUSTRIAL)

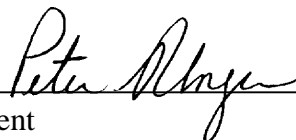
Columbus, OH

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 18 June 2005*).

Presented this 17th day of April 2007.





President
For the Accreditation Council
Certificate Number 1902.01
Valid to April 30, 2009

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

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

METTLER TOLEDO (INDUSTRIAL)
 1900 Polaris Parkway
 Columbus, OH 43240
 Frank Gardone Phone: 412 213 2263

CALIBRATION

Valid To: April 30, 2009

Certificate Number: 1902.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations^{1,4}:

I. Mechanical

Parameter/Range	Minimum Tested Capacity ³	Best Uncertainty ² (±)	Comments
Scales – Class I (0 to 250) mg	100 %	0.12 mg	ASTM 1
Scales – Class II (0 to 100) g (0 to 200) g (0 to 500) g (0 to 1000) g (0 to 10 000) g (0 to 32 000) g (0 to 64 000) g	100 % 100 % 100 % 100 % 100 % 100 % 100 %	1.1 mg 2.3 mg 5.8 mg 11 mg 0.12 g 0.58 g 1.2 g	OIML F1, ASTM 2 OIML M1, ASTM 4 or Class F
Scales – Class III (0 to 5) lb (0 to 10) lb (0 to 20) lb (0 to 50) lb (0 to 100) lb (0 to 200) lb (0 to 500) lb	100 % 100 % 100 % 100 % 100 % 100 % 75 %	0.00058 lb 0.0012 lb 0.0023 lb 0.0058 lb 0.012 lb 0.023 lb 0.058 lb	Class F

Parameter/Range	Minimum Tested Capacity ³	Best Uncertainty ² (±)	Comments
Scales – (cont)			Class F
Class III (0 to 1000) lb (0 to 5000) lb (0 to 10 000) lb (0 to 20 000) lb (0 to 40 000) lb	75 % 50 % 50 % 50 % 12.5 % 50 %	0.12 lb 0.58 lb 1.2 lb 2.3 lb 5.8 lb 12 lb	
Class III L (0 to 50 000) lb (0 to 100 000) lb (0 to 200 000) lb (0 to 450 000) lb	12.5 % 50 % 12.5 % 50 % 12.5 % 50 % 30 000 lb	5.8 lb 12 lb 12 lb 24 lb 23 lb 46 lb 58 lb	Railway track scale
Class IV (0 to 100) lb (0 to 500) lb (0 to 5000) lb (0 to 10 000) lb	100 % 75 % 50 % 50 %	0.012 lb 0.58 lb 5.8 lb 58 lb	
Scales – Class III (0 to 5) kg (0 to 10) kg (0 to 25) kg (0 to 50) kg (0 to 150) kg (0 to 250) kg (0 to 500) kg (0 to 2500) kg (0 to 5000) kg (0 to 10 000) kg (0 to 20 000) kg	100 % 100 % 100 % 100 % 100 % 75 % 75 % 50 % 50 % 50 % 12.5 % 50 %	0.0012 kg 0.0023 kg 0.057 kg 0.012 kg 0.023 kg 0.057 kg 0.12 kg 0.57 kg 1.2 kg 2.3 kg 5.7 kg 12 kg	OIML M1 By substitution

Parameter/Range	Minimum Tested Capacity ³	Best Uncertainty ² (±)	Comments
Scales –			OIML M1
Class III L (0 to 25 000) kg	12.5 %	5.7 kg	By substitution
(0 to 50 000) kg	50 %	11 kg	
(0 to 100 000) kg	12.5 %	12 kg	
(0 to 450 000) kg	25 %	24 kg	
	12.5 %	23 kg	
	12.5 %	170 kg	
Class IV (0 to 50) kg	100 %	0.012 kg	
(0 to 250) kg	75 %	0.57 kg	
(0 to 2500) kg	50 %	5.7 kg	
(0 to 5000) kg	50 %	29 kg	

II. Dimensional

Parameter/Equipment	Range	Best Uncertainty ² (±)	Comments
Calipers	Up to 6 in	200 μin	Gage blocks
Micrometers ⁵	Up to 6 in	(83 + 19L) μin	Gage blocks
Dial and Test Indicators ⁵	Up to 2 in	260 μin + 0.6R	Gage Blocks

¹ This laboratory offers commercial calibration service and on-site 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 Minimum testing as required in accordance with NIST Handbook 44, Table 4.

⁴ This accreditation includes those field service representatives located in the United States and Canada reporting to Mettler Toledo (Industrial), Columbus, OH.

⁵ In the statement of best uncertainty, L is the numerical value of the nominal length of the device measured in inches, R is the numerical value of the resolution of the device in micrometers.