



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005  
& ANSI/NCSL Z540-1-1994 & ANSI/NCSL Z540-3-2006

MOREHOUSE INSTRUMENT CO., INC.  
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CALIBRATION

Valid To: April 30, 2012

Certificate Number: 1398.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations<sup>1</sup>:

I. Mechanical

Parameter	Range	CMC <sup>2,3</sup> (±)	Comments
Force –	(0 to 120) lbf (0 to 1100) lbf (0 to 12 000) lbf (0 to 120 000) lbf	0.0028 % 0.0033 % 0.0026 % 0.0021 %	Force calibration including ASTM E74 and ISO 376 using primary standards (dead weights) and Secondary standards
Tension Compression	(100 000 to 1 000 000) lbf (1 000 001 to 1 200 000) lbf (1 000 001 to 2 250 000) lbf	17 lbf 160 lbf 160 lbf	
Indicators – DC mV/V	(0 to 4.4) V DC	0.00027 mV/V	
Torque –			
Clockwise & Anticlockwise	(1 to 100) N-m  (20 to 2000) N-m	0.011 %  0.0044 %	Primary torque standard, ASTM E2428 & BS7882

<sup>1</sup> This laboratory offers commercial calibration service.

<sup>2</sup> Calibration and Measurement Capability (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. Calibration and Measurement Capabilities 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.

<sup>3</sup> Percent is defined as the indicated value unless stated otherwise.



The American Association for Laboratory Accreditation

World Class Accreditation

# Accredited Laboratory

A2LA has accredited

## MOREHOUSE INSTRUMENT CO., INC.

*York, PA*


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/NCSLI Z540-1-1994 and the requirements of ANSI/NCSLI Z540.3-2006 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 26<sup>th</sup> day of May 2010.



  
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President & CEO  
For the Accreditation Council  
Certificate Number 1398.01  
Valid to April 30, 2012

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