



THE AMERICAN ASSOCIATION FOR  
LABORATORY ACCREDITATION

## ACCREDITED LABORATORY

A2LA has accredited

**SENSOR DEVELOPMENTS INC.**

**Orion, 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 18 June 2005*).

Presented this 19<sup>th</sup> day of June 2009.

A handwritten signature in black ink, appearing to read "Peter Meyer". The signature is written in a cursive style and is positioned above a horizontal line.

President

For the Accreditation Council

Certificate Number 1668.01

Valid to July 31, 2011



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

SENSOR DEVELOPMENTS INC.  
1050 W. Silver Bell Rd.  
Orion, MI 48359  
David M. Schrand      Phone: 248 391 3000

CALIBRATION

Valid To: July 31, 2011

Certificate Number: 1668.01

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/Equipment	Range	Best Uncertainty <sup>2, 3</sup> ( $\pm$ )	Comments
Force Transducers	(1 to 10 000) lbf	0.05 % FS	Weights, hydraulic press with transducer
	(10 000 to 300 000) lbf	0.06 % FS	Hydraulic press with transducer
Torque Transducers	(1.2 to 15 000) in·lb	0.06 % FS	Torque arm with weights or transducer
	(15 000 to 360 000) in·lb	0.09 % FS	Torque arm with transducer

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

<sup>2</sup> "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, to the environment and to influences from the circumstances of the specific calibration.

<sup>3</sup> "FS" indicates best measurement uncertainty is a function of the full scale of the unit under test.