



American Association for Laboratory Accreditation

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

SMITH INSTRUMENT, INC.
1987 Concept Drive
Warren, MI 48091
Robert T. Quail Phone: 586 755 3110

CALIBRATION

Valid To: July 31, 2011

Certificate Number: 1589.01

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

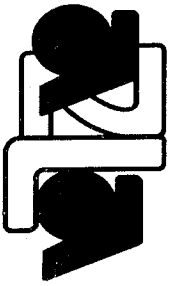
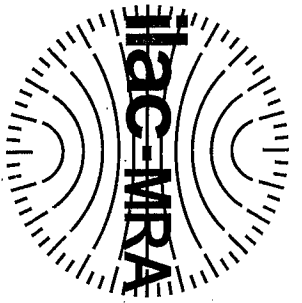
I. Mechanical

Parameter/Equipment	Range	Best Uncertainty ² (±)	Comments	
Pressure Gauges	(5 to 7500) psi -28.5 inHg to 5 psi	0.05 % full scale	Digital transducer	
	(6 to 2428) psi (30 to 12 140) psi	0.031 % of reading 0.033 % of reading	Ruska DWT	
Pressure Transducers – (4 to 20) mA DC Output	(5 to 7500) psi -28.5 inHg to 5 psi	0.04 % full scale	Digital transducer	
	(6 to 2428) psi (30 to 12 140) psi	0.02 % of reading 0.023 % of reading	Ruska DWT	
	(0 to 10) V Output	(5 to 7500) psi -28.5 inHg to 5 psi	0.04 % full scale	Digital transducer
		(6 to 2428) psi (30 to 12 140) psi	0.012 % of reading 0.016 % of reading	Ruska DWT



¹ This laboratory offers commercial 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 and include the readability, repeatability and the resolution of the unit under test. 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.



THE AMERICAN ASSOCIATION FOR
LABORATORY ACCREDITATION

ACCREDITED LABORATORY

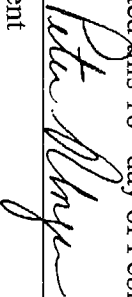
A2LA has accredited

SMITH INSTRUMENT, INC.
Warren, MI

for technical competence in the field of **Calibration**

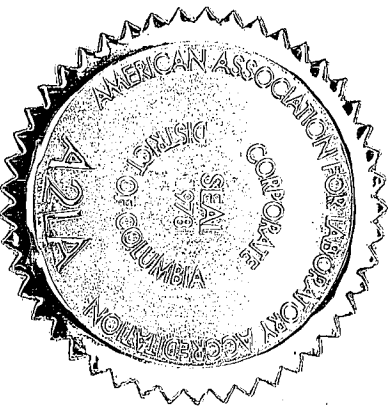
This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General Requirements for the Competence of Testing and Calibration Laboratories*. This laboratory also meets the requirements of ANS/NCSL Z540-1-1994 and any additional program requirements in the 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 18th day of February 2009.



President

For the Accreditation Council
Certificate Number 1589.01
Valid to July 31, 2011



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