



THE AMERICAN ASSOCIATION FOR
LABORATORY ACCREDITATION

ACCREDITED LABORATORY

A2LA has accredited

INTERFACE, INC.
Scottsdale, AZ

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 28th day of October 2008.

A handwritten signature in black ink, reading "Peter R. Meyer".

President
For the Accreditation Council
Certificate Number 1991.01
Valid to November 30, 2010

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 17025:2005 & ANSI/NCSL Z540-1-1994

INTERFACE, INC.
7401 E. Butherus Drive
Scottsdale, AZ 85260
Lavar Clegg Phone: 480 948 5555 ext 106

CALIBRATION

Valid To: November 30, 2010

Certificate Number: 1991.01

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
Force – Load Cells, Force Transducers	(200 to 240 000) lbf	0.035 % rdg	Load cells
	(100 to 1100) lbf	0.050 % rdg	
	(240 000 to 1 000 000) lbf	0.041 % rdg	
	(1 to 500) lbf	0.040 % rdg	Free weights
	(25 to 1100) lbf	0.030 % rdg	Actuated weights
	(10 to 550) lbf	0.021 % rdg	Actuated weights (stainless steel)
(25 to 2000) gf	0.030 % rdg	Free weights	



II. Electrical – DC & Low Frequency

Parameter/Equipment	Range	Best Uncertainty ² (\pm)	Comments
DC Voltage – Measure	(0 to 0.14) V (0.14 to 1.4) V (1.4 to 14) V (14 to 140) V	0.0026 % rdg + 0.2 μ V 0.0024 % rdg + 2 μ V 0.0022 % rdg + 20 μ V 0.0022 % rdg + 200 μ V	Solartron 7071
DC Voltage Ratio	(0 to 0.1)	0.0007 % rdg + 0.1 μ V/V _{ref}	Kelvin-Varley divider
Resistance – Measure	(0 to 1.4) k Ω (0.14 to 1.4) k Ω (1.4 to 14) k Ω (14 to 140) k Ω (140 to 1400) k Ω	0.0026 % rdg + 0.2 m Ω 0.0026 % rdg + 2 m Ω 0.0026 % rdg + 20 m Ω 0.0028 % rdg + 0.2 Ω 0.0036 % rdg + 2 Ω	Solartron 7071

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. 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.

Royanne M. Robinson