



THE AMERICAN
ASSOCIATION
FOR LABORATORY
ACCREDITATION

ACCREDITED LABORATORY

A2LA has accredited

INTERFACE, INC.
Scottsdale, AZ

for technical competence in the field of

Calibration

The accreditation covers the specific calibrations listed on the agreed scope of accreditation. This laboratory meets the requirements of ISO/IEC 17025 - 1999 "General Requirements for the Competence of Testing and Calibration Laboratories." Laboratories that comply with this International Standard also operate in accordance with ISO 9001 or ISO 9002 (1994). This laboratory also meets the requirements of ANSI/NCSL Z540-1-1994 and any additional program requirements in the field of calibration.

Presented this 11th day of September, 2002.



A handwritten signature in blue ink, reading 'Peter Alinger'.

President
For the Accreditation Council
Certificate Number 1991.01
Valid to 11/30/2004

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 17025-1999 & ANSI/NCSL Z540-1-1994

INTERFACE, INC.
7401 E. Butherus Drive
Scottsdale, AZ 85260
LaVar Clegg Phone: 480 948 5555 ext 230

CALIBRATION

Valid To: November 30, 2004

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 %	Load cells
	(100 to 1100) lbf	0.050 %	
	(1 to 500) lbf	0.040 %	Free weights
	(25 to 1100) lbf	0.030 %	Actuated weights
	(10 to 550) lbf	0.021 %	Actuated weights (stainless steel)
	(25 to 2000) gf	0.030 %	Free weights

II. Electrical

Parameter/Equipment	Range	Best Uncertainty ² (±)	Comments
DC Volts – Measure	(0 to 0.14) V	26 ppm + 0.2 μV	Solartron 7071
	(0.14 to 1.4) V	24 ppm + 2 μV	
	(1.4 to 14) V	22 ppm + 20 μV	
	(14 to 140) V	22 ppm + 200 μV	
DC Voltage Ratio	0 to 0.1	7 ppm + 0.1 μV/V _{ref}	Kelvin-Varley divider



Parameter/Equipment	Range	Best Uncertainty ² (±)	Comments
Resistance – Measure	(0 to 1.4) kΩ (0.14 to 1.4) kΩ (1.4 to 14) kΩ (14 to 140) kΩ (140 to 1400) kΩ	26 ppm + 0.2 mΩ 26 ppm + 2 mΩ 26 ppm + 20 mΩ 28 ppm + 0.2 Ω 36 ppm + 2 Ω	Solartron 7071

¹ This laboratory offers commercial calibration service.

² Best Uncertainties represent expanded using a coverage factor of $k=2$ which provides a level of confidence of approximately 95 %.

