



THE AMERICAN ASSOCIATION FOR
LABORATORY ACCREDITATION

ACCREDITED LABORATORY

A2LA has accredited

GEOMETRIC DESIGN AND TECHNOLOGY, INC.

Meadville, 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 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 21st day of January 2009.

A handwritten signature in cursive script, reading "Peter Abney".

President
For the Accreditation Council
Certificate Number 1984.01
Valid to February 28, 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

GEOMETRIC DESIGN AND TECHNOLOGY, INC
632 Arch St. Suite B-306
Meadville, PA 16335
Myrle Knickerbocker Phone: 814 336-2776

CALIBRATION

Valid To: February 28, 2011

Certificate Number: 1984.01

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

I. Dimensional

| Parameter/Equipment | Range | Best Uncertainty ^{2,4} (\pm) | Comments |
|---|--------------|---|------------|
| OGP Video Measuring Machines ³ | Up to 700 mm | $(1.2 + 0.7L) \mu\text{m}$ | Glass grid |

II. Dimensional Testing

| Parameter/Equipment | Range | Best Uncertainty ^{2,4} (\pm) | Comments |
|---------------------|--------------|---|--|
| Length | Up to 700 mm | $(7.5 + 8L / 1000) \mu\text{m}$ | Dimensional inspection using OGP Video measuring equipment |

¹ This laboratory offers commercial calibration and field 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 tests and 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 test and 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.

³ Field calibration service is available for this calibration and this laboratory meets A2LA *R104 – General Requirements: Accreditation of Field Testing and Field Calibration Laboratories* for these calibrations. Please note the uncertainties achievable on a customer's site can normally be expected to be larger than the Best Measurement Capabilities (BMC) that the accredited laboratory has been assigned as Best Uncertainty on the A2LA Scope. Allowance must be made for aspects such as the environment at the place of calibration and for other possible adverse effects such as those caused by transportation of the calibration equipment. The usual allowance for the uncertainty introduced by the item being calibrated, (e.g. resolution) must also be considered and this, on its own, could result in the calibration uncertainty being larger than the BMC.

⁴ In the statement of best uncertainty, L is the numerical value of the nominal length of the device measured in millimeters.