American Association for Laboratory Accreditatior



# SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

### EPSILON TECHNOLOGY CORPORATION 3975 South Highway 89 Jackson, WY 83001 Ash Alexander Phone: 307 733 8360

## CALIBRATION

Valid To: April 30, 2017

Certificate Number: 3134.01

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. Dimensional

Parameter/Equipment	Range	$\mathrm{CMC}^{2}\left(\pm\right)$	Comments
Gauge Length –			
Inside	(0.1 to 0.2) in (0.2 to 1.2) in	0.00045 in 0.00038 in	Micrometer
	(1 to 4) in (4 to 6) in (6 to 24) in	0.0020 in 0.0024 in 0.0037 in	Caliper
	(24 to 36) in	0.022 in	Ruler
Ceramic Rods	Up to 2 in	0.00050 in	Micrometer

Peter Alnye

(A2LA Cert. No. 3134.01) 08/07/2015 5202 Presidents Court, Suite 220 | Frederick, MD 21703-8398 | Phone: 301 644 3248 | Fax: 240 454 9449 | www.A2LA.org

Parameter/Equipment	Range	CMC <sup>2, 3</sup> (±)	Comments
Displacement	Up to 0.333 mm (>0.333 to 50) mm	0.064 μm 0.067 μm	Laser interferometer
	Up to 0.333 mm (>0.333 to 50) mm (>50 to 100) mm	0.10 μm 0.89 μm 1.8 μm	ASTM E83-10, ISO 9513 using AVHR or VHR calibration test stand
	Up to 50 mm	1.6 μm	ASTM E83-10, ISO 9513 using a model 3590 calibration test stand
	Up to 25 mm	0.40 μm	ASTM E83-10, ISO 9513 using a model 3590HR calibration test stand

### II. Electrical – DC/Low Frequency

Parameter/Equipment	Range	$\mathrm{CMC}^2$ (±)	Comments
DC Voltage – Measure	(0 to 50) mV (0 to 10) V	0.0079 mV 0.12 mV	ASTM E83-10, ISO 9513 using a digital multimeter

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

<sup>2</sup> Calibration and Measurement Capability Uncertainty (CMC) 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 or nearly ideal measuring equipment. CMCs represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of k = 2. The actual measurement uncertainty of a specific calibration performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.

<sup>3</sup> In the statement of CMC, L represents the nominal length of the device measured in meters.

Peter Rhye