



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

FLORIDA METROLOGY, LLC
 645 NW Enterprise Dr.
 Port St. Lucie, FL 34986
 Ron Kupper Phone: 772 212 7158

CALIBRATION

Valid To: October 31, 2017

Certificate Number: 3864.01

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

I. Dimensional

Parameter/Equipment	Range	CMC ² (±)	Comments
Video Measuring Device ³			
X, Y Linearity	Up to 200 mm Longest Axis	$(0.80 + 0.003L) \mu\text{m}$ [(32 + 3.47L) μin]	Optical grid, optical scales
X, Y Linearity	(200 to 400) mm Longest Axis	$(1.1 + 0.004L) \mu\text{m}$ [(43 + 3.7L) μin]	
X, Y Linearity	(400 to 900) mm Longest Axis	$(1.3 + 0.005L) \mu\text{m}$ [(48 + 4.8L) μin]	
Z Linearity	Up to 300 mm	$(4.1 + 0.002L) \mu\text{m}$ [(160 + 2.4L) μin]	Gage blocks & dial indicator
Optical Comparator ³			
X, Y Linearity	Up to 12 in	$(94.0 + 1.23L) \mu\text{in}$	Optical scale
Angle	0° to 90°	0.38°	Angle blocks

Parameter/Equipment	Range	CMC ² (±)	Comments
Height Gages ³	Up to 12 in	(170 + 2.0L) μin	Step gage
	(12 to 24) in	(170 + 3.1L) μin	
Micrometers ³	Up to 6 in	(44 + 3.3L) μin	Gage blocks
	(6 to 24) in	(45 + 6.2L) μin	
Calipers ³	Up to 24 in	(290 + 2.3L) μin	Gage blocks
Linear Indicators ³	(0.5 to 4) in	(59 + 1.8L) μin	Gage blocks

¹ This laboratory offers commercial calibration service and field calibration service.

² 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.

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 actual measurement uncertainties achievable on a customer's site can normally be expected to be larger than the CMC found 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 actual uncertainty introduced by the item being calibrated, (e.g. resolution) must also be considered and this, on its own, could result in the actual measurement uncertainty achievable on a customer's site being larger than the CMC.





Accredited Laboratory

A2LA has accredited

FLORIDA METROLOGY, LLC

Port St. Lucie, FL

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 8 January 2009*).



Presented this 15th day of October 2015.

A handwritten signature in black ink, appearing to read "J. C. Bennett".

Senior Director of Quality & Communication
For the Accreditation Council
Certificate Number 3864.01
Valid to October 31, 2017

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