

**Certificate of Calibration**  
and Traceability to the  
**United States National Institute of Standards & Technology**

Serial Number: 070101

Apparatus: Gage Tube Assembly

Model No.: AFLSC01

Manufacturer: Pine Electronics, LLC

Report No.: P1-150217-14

Calibration Date: 2/17/2015

Due Date: 2/17/2016

Temperature: 21.0°C

Rel. Hum.: 27 %

Measured By: Pine Electronics, LLC

Location: 104 Industrial Drive

Grove City PA 16127

Technician: Brent A. Booker

Measured Angles			Result	
Run 1	Run 2	Run 3	Average	$U (k=2)$
1.238 °	1.238 °	1.238 °	1.238 °	±0.011°

Instrument: DEA Mistral Coordinate Measuring Machine

Model: Mistral 07. 07. 05

Serial Number: 152

Calibration Date: 8/6/2014

Due Date: 8/6/2015

Report No.: 5906

NIST Number: LL010/0802

$U (mm)$ : ±0.005 mm

$U (°)$ : ±0.005°

The equipment used to perform this measurement was calibrated in accordance with ASME B89.4.10360.2-2008.

The reported uncertainty of the measured values is based on a "Type B" analysis and is expressed as an Expanded

Uncertainty ( $U$ ) based on a coverage factor of  $k=2$  representing an approximate 95% confidence interval.