

## ISO/IEC 17025 Calibration Certificate

201 Wolf Drive • P.O. Box 87 • Thorofare, NJ 08086-0087 • Phone: 856-686-1600 • Fax: 856-686-1601 • www.troemner.com • e-mail: troemner@troemner.com

Page 1 of 2

### Dimensional Calibration

Serial Number : 7003311  
Certificate Number : **123456-DIM**  
Date of Calibration : 2-May-2017

#### SECTION 1: NAME AND ADDRESS OF CUSTOMER

End User  
Troemner  
201 Wolf Drive  
Thorofare, NJ 08086

#### SECTION 2: APPROVED SIGNATORY

Lynn Dickerson 

#### SECTION 3: PERSON PERFORMING WORK

David Peacock

#### SECTION 4: CERTIFICATE INFORMATION

Description of DUT:	Digital Caliper	Date Received	: 28-Apr-2017
Order Number	: 1234567	Date of Calibration	: 2-May-2017
Manufacturer	: Mitutoyo	Date of Issue	: 3-May-2017
Model	: 0-6"	Recalibration Due	: 31-May-2018
Serial Number	: <b>7003311</b>		

#### SECTION 5: ENVIRONMENTAL CONDITIONS DURING TEST

Temperature : 21.2 °C                      Relative Humidity : 46.6 %

#### SECTION 6: PERTINENT INFORMATION

This calibration was performed in Troemner's Certification Laboratory at 201 Wolf Drive, Thorofare, NJ 08086

The calibration certificate documents traceability to national standards for the realization of the units of Measurement according to the International System of Units(SI).

The certificate of calibration only applies to the device identified. The device has been calibrated in accordance with Troemner calibration procedures (DCP-CAL)

This calibration also meets specifications as outlined in ISO/IEC 17025, ANSI/NCSL Z540-1-1994, and applicable documents.

## ISO/IEC 17025 Calibration Certificate

201 Wolf Drive • P.O. Box 87 • Thorofare, NJ 08086-0087 • Phone: 856-686-1600 • Fax: 856-686-1601 • www.troemner.com • e-mail: troemner@troemner.com

Page 2 of 2  
 Serial Number : 7003311  
 Certificate Number : **123456-DIM**  
 Date of Calibration : 2-May-2017

### SECTION 7: CALIBRATION DATA

#### As Found/As Left

Visual Inspection- pass

	Std inches	UUT inches	Diff inches	Tolerance inches
ID	0.93750	0.93750	0.00000	0.0010
Depth	2.00000	2.00000	0.00000	0.0010
Step	2.00000	2.00000	0.00000	0.0010

	1	2	3
Measured Value			
1	0.1345		
2	0.1350		
3	0.1350		

gage block std used 0.1350

#### Accuracy Test

Range Inches : 0-6  
 Readability : 0.0005

Gage Block inches	UUT inches	Diff inches	Tolerance inches	Status
0.00000	0.00000	0.00000	0.00100	Pass
1.13500	1.13500	0.00000	0.00100	Pass
2.20000	2.20000	0.00000	0.00100	Pass
3.00000	3.00000	0.00000	0.00100	Pass
4.50000	4.50000	0.00000	0.00100	Pass
5.00000	5.00000	0.00000	0.00100	Pass
6.00000	6.00000	0.00000	0.00100	Pass

Uncertainty of measurement : 0.00062inches

UNCERTAINTY- The standard deviation associated with the results of the measurements process.  
 Uncertainty is calculated per NIST Technical note 1297 using a coverage factor of k = 2 (k = 2 defines a interval having a level of confidence of approximately 95 percent.)  
 Due to the resolution of the DUT, the uncertainty associated with the measurement is not included in determining Pass/Fail Results.

Calibration Standards				
Manufacturer	Model	Serial Number	Cal Due Date	Description
Starrett	Webber 81	RRH007	1-Apr-2018	Gage Block Set
Ringmaster	0.9375"	9985	1-Sep-2017	Plain Ring Gage
Starrett	6" Block	78	1-Apr-2018	Gage Block

### SECTION 8: ADDENDUM

This certificate of calibration shall not be reproduced except in full, without written approval of Troemner LLC. This certificate of calibration must not be used by the customer to claim product endorsement by NIST,NVLAP or any agency of the U.S. government.