



# Certificate of Calibration



Accredited Certificate



CERT #AC-1160

ABC Company  
1234 Happy Lane  
Bloomington, IL 60108

Date Calibrated: 3/8/2019  
Date Due:

Purchase Order # 00000

Test # 19-12345

Instrument: Mitutoyo 0 - 12" Dial Caliper  
Serial #: 3005758  
Reference: Manufacturer's Specifications

Make: Mitutoyo  
Model #: 505-628-50  
Gage ID #: 060-506

In Lab Cal

In Field Cal

### Calibration Results

Test Point	Function/Direction	Tolerance	As Found	Deviation	As Left	Deviation
1.0000	Outside Diameter	± .002"	1.0000	0.00000	1.0000	0.00000
6.0000	Outside Diameter	± .002"	6.0000	0.00000	6.0000	0.00000
12.0000	Outside Diameter	± .002"	12.0000	0.00000	12.0000	0.00000
1.0000	Inside Diameter	± .002"	0.9990	-0.00100	0.9990	-0.00100
6.0000	Inside Diameter	± .002"	5.9990	-0.00100	5.9990	-0.00100
12.0000	Inside Diameter	± .002"	11.9990	-0.00100	11.9990	-0.00100
1.0000	Depth	± .002"	1.0000	0.00000	1.0000	0.00000
12.0000	Depth	± .002"	12.0000	0.00000	12.0000	0.00000
6.0000	Step	± .002"	6.0000	0.00000	6.0000	0.00000

Results in **Bold** = Out of Tolerance

Calibration Procedure(s) CAL-11-VC110 rev4

Calibration Measurement Uncertainty (k=2 @ 95%): ± (300+.16L) uin up to 40 in  
± (290+0.4L) uin 40 to 72 in

Calibration Environmental Conditions: Start Temp: 68.0°F 45% R.H. / Finish Temp: 68.9°F 45% R.H.

Technical Remarks:

Note: The statement of compliance in this certificate, as may be applicable, is issued without taking the uncertainty of measurement into consideration. The customer shall assess the results and the uncertainty when determining if the results meet their needs. The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor K such that the coverage probability corresponds to approximately 95%.

We hereby certify that this instrument (unit under test) has been tested with standards & equipment calibrated with traceability to the International System of Units (SI) Through the National Institute of Standards & Technology (N.I.S.T.) or other recognized NMI, other recognized ISO/IEC 17025 accredited Labs. The determination of accuracy (observational & mechanical error) is dependent upon the condition of the instrument being calibrated. The results are only applicable for the date of calibration noted and for the specific instrument(s) listed above. The Instrument(s) under test, above, was calibrated in accordance with customer supplied requirements. NGC's calibration procedures, international, federal, national, third party or manufacturer's specifications maybe used as reference as may be applicable. All calibrated instruments are processed under the NGC Quality Management System Rev 6 (1/12/2019) and in accordance with ISO/IEC17025:2017 and ANSI/NCSL Z540-1-1994 and as per ANAB Certificate AC-1160 (exp. date 3/28/2021). This certificate shall not be reproduced, except in full, without the written consent of Nationwide Gage Calibration Inc.

### Calibration Standards

Gage ID #	Standard	Traceability #	Date Calibrated	Date Due
B12	Gage Block Set	08-B12	11/21/2008	11/21/2009
C	ID Calibrator	08-C	10/7/2008	10/7/2009
R1	Caliper Master	07-R1	3/7/2007	3/7/2008
M1	Gage Block Set	07-M1	1/3/2007	1/3/2008

Technician: \_\_\_\_\_  
Calibration Tech 1

Approved By: \_\_\_\_\_  
Calibration Tech 2