



Certificate 1750.01

Calibration complies with
ISO/IEC 17025 AND ANSI/NC SL Z540-1



Cert. No.: 3418-1601509

Traceable® Certificate of Calibration for Digital Calipers 150 mm

Instrument Identification:

Model: 3418 S/N: 72281283 Manufacturer : Control Company

Standards/Equipment:

Description	Serial Number	Due Date	NIST Traceable Reference
Gage Block Set	99146223	8/04/07	1000208994

Certificate Information:

Technician: 57 Procedure: CAL-05 Cal Date: 5/25/07 Cal Due: 5/24/09
 Test Conditions: 22.0°C 51.0 %RH 1018 mBar

Calibration Data: (New Instrument)

Unit(s)	Nominal	As Found	In Tol	Nominal	As Left	In Tol	Min	Max	±uc	TUR
in		N.A.		0.000	0.00	Y	-0.01	0.01	0.002	>4:1
in		N.A.		0.100	0.09	Y	0.09	0.11	0.002	>4:1
in		N.A.		2.000	1.99	Y	1.99	2.01	0.001	>4:1
in		N.A.		4.000	3.99	Y	3.99	4.01	0.001	>4:1
in		N.A.		6.000	5.99	Y	5.99	6.01	0.002	>4:1
in inside		N.A.		1.000	0.99	Y	0.99	1.01	0.002	>4:1

This Instrument was calibrated using Instruments Traceable to National Institute of Standards and Technology.

A Test Uncertainty Ratio of at least 4:1 is maintained unless otherwise stated and is calculated using the expanded measurement uncertainty. Uncertainty evaluation includes the instrument under test and is calculated in accordance with the ISO "Guide to the Expression of Uncertainty in Measurement" (GUM). The uncertainty represents an expanded uncertainty using a coverage factor k=2 to approximate a 95% confidence level. In tolerance conditions are based on test results falling within specified limits with no reduction by the uncertainty of the measurement. The results contained herein relate only to the item calibrated. This certificate shall not be reproduced except in full, without written approval of Control Company.

Nominal=Standard's Reading; As Left=Instrument's Reading; In Tol=In Tolerance; Min/Max=Acceptance Range; ±uc=Measurement Uncertainty; TUR=Test Uncertainty Ratio; Accuracy=±(Max-Min)/2

Wallace Berry
Wallace Berry, Technical Manager

Maintaining Accuracy:

In our opinion once calibrated your Digital Calipers 150 mm should maintain its accuracy. There is no exact way to determine how long calibration will be maintained. Digital Calipers 150 mms change little, if any at all, but can be affected by aging, temperature, shock, and contamination.

Recalibration:

For factory calibration and re-certification traceable to National Institute of Standards and Technology contact Control Company.

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Control Company is an ISO 17025 Calibration Laboratory Accredited by (A2LA) American Association for Laboratory Accreditation, Certificate No. 1750.01.
 Control Company is ISO 9001 Quality Certified by (DNV) Det Norske Veritas, Certificate No. CERT-01805-AQ-HOU.
 International Laboratory Accreditation Cooperation (ILAC) - Multilateral Recognition Arrangement (MRA).