



**Calibration complies with ISO/IEC 17025, ANSI/NCSL Z540-1, and 9001**



**Cert. No.: 6530-13101941**

**Traceable® Certificate of Calibration for Digital Barometer**

Manufactured for and distributed by : Fisher Scientific "300 Industry Drive,,Pittsburgh,PA,15275-1001"

*Recd 4/12/22 TAL  
Opened 6/3/22 BVB  
29.51 compared with  
29.52 on  
SN 200573788*

**Instrument Identification:**

Model: 14-650-118,15557603

S/N: 221250180

Manufacturer: Control Company

**Standards/Equipment:**

Description	Serial Number	Due Date	NIST Traceable Reference
Digital Barometer	D4540001	29 Nov 2022	1000474068
Digital Thermometer	130070752	10 Mar 2022	4000-12037421
Chilled Mirror Hygrometer	44654/2H3737	13 Dec 2023	19994
Climate Chamber	W619.0019		

**Certificate Information:**

Technician: 57

Procedure: CAL-31

Cal Date: 14 Feb 2022

Cal Due Date: 14 Feb 2024

Test Conditions: 29.96%RH 22.64°C 1026mBar

**Calibration Data: (New Instrument)**

Unit(s)	Nominal	As Found	In Tol	Nominal	As Left	In Tol	Min	Max	±U	TUR
%RH	N.A.	N.A.		50.31	52	Y	47	53	0.74	>4:1
°C	N.A.	N.A.		25.22	25.1	Y	24.82	25.62	0.05	>4:1
mb/hPa	N.A.	N.A.		805.53	806	Y	802	810	0.62	>4:1
mb/hPa	N.A.	N.A.		910.40	910	Y	906	914	0.62	>4:1
mb/hPa	N.A.	N.A.		1010.54	1010	Y	1007	1015	0.62	>4:1

**This certificate indicates Traceability to standards provided by (NIST) National Institute of Standards and Technology and/or a National Standards Laboratory.**

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; ± U=Expanded Measurement Uncertainty; TUR=Test Uncertainty Ratio; Accuracy=±(Max-Min)/2; Min=As Left Nominal(Rounded) - Tolerance; Max= As Left Nominal(Rounded) + Tolerance;

*Nicol Rodriguez*

Nicol Rodriguez, Quality Manager

*Marisa Elms*

Marisa Elms, Technical Manager

Note :

**Maintaining Accuracy:**

In our opinion once calibrated your Digital Barometer should maintain its accuracy. There is no exact way to determine how long calibration will be maintained. Digital Barometer 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.

Issue Date : 14 Feb 2022

**CONTROL COMPANY 12554 Galveston RD Suite B230 Webster TX USA 77598  
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Control Company is an ISO/IEC 17025:2017 Calibration Laboratory Accredited by (A2LA) American Association for Laboratory Accreditation, Certificate No. 1750.01.  
Control Company is ISO 9001:2015 Quality Certified by DNV GL, Certificate No. CERT-01805-2006-AQ-HOU-ANAB.  
International Laboratory Accreditation Cooperation - Multilateral Recognition Arrangement (ILAC-MRA).