



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



Cert. No.: 4238-14492844

Traceable® Certificate of Calibration for Hi-Accuracy Refrigeration

Manufactured for and distributed by : VWR International LLC Radnor Corporate Center, Bldg 1, Ste 200, 100 Matsonford Road, Radnor, PA, 19087

Instrument Identification:

Model: 89094-746,

S/N: 230653545

Manufacturer: Control Company

Standards/Equipment:

Description	Serial Number	Due Date	NIST Traceable Reference
Temperature Calibration Bath	B01375		
Temperature Calibration Bath	B93289		
Digital Thermometer	B96088	10 Mar 2024	1000489962
Thermistor Module	B96382	20 Oct 2023	1000485311
Temperature Probe	5407	01 Nov 2023	4500020693
Temperature Probe	5410	01 Nov 2023	4500020692
PRT Temperature Probe	5081	31 Jul 2024	4500031426
Temperature Calibration Bath	39019		

Certificate Information:

Technician: 420

Procedure: CAL-4238

Cal Date: 26 Sep 2023

Cal Due Date: 26 Sep 2025

Test Conditions: 60.75%RH 24.19°C 1016mBar

Calibration Data: (New Instrument)

Unit(s)	Nominal	As Found	In Tol	Nominal	As Left	In Tol	Min	Max	±U	TUR
P1 °C	N.A.	N.A.		-40.006	-40.00	Y	-40.31	-39.71	0.024	>4:1
P1 °C	N.A.	N.A.		-0.001	0.01	Y	-0.3	0.3	0.01	>4:1
P1 °C	N.A.	N.A.		49.999	50.00	Y	49.7	50.3	0.01	>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

Michael Pietronico

Michael Pietronico, Technical Manager

Note : We hereby declare that the above mention unit, has been manufactured, tested and approved, and is in compliance with the Control Company's procedures. This includes the testing for alarm functionality.

Maintaining Accuracy:

In our opinion once calibrated your Hi-Accuracy Refrigeration Thermometer should maintain its accuracy. There is no exact way to determine how long calibration will be maintained. Hi-Accuracy Refrigeration Thermometer 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 : 26 Sep 2023

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).