



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



Cert. No.: 4354-12899009

## Traceable® Certificate of Calibration for Extra-Long-Stem Thermometer

Manufactured for and distributed by : Thomas Scientific Box 99,99 High Hill Road,Swedeboro,NJ,08085-0099,U.S.A.

### Instrument Identification:

Model: 9329H07, S/N: 211047627 Manufacturer: Control Company

### Standards/Equipment:

Description	Serial Number	Due Date	NIST Traceable Reference
Temperature Calibration Bath	93139		
Temperature Probe	128	09 Jul 2022	15-D4F0Q-40-1
Thermistor Module	A17118	08 Jul 2022	1000469276
Temperature Probe	3039	09 Jul 2022	15-D4F0Q-20-1
Temperature Calibration Bath	B3A444		

### Certificate Information:

Technician: 420 Procedure: CAL-03 Cal Date: 07 Dec 2021 Cal Due Date: 07 Dec 2023  
 Test Conditions: 52.62%RH 23.71°C 1020mBar

### Calibration Data: (New Instrument)

Unit(s)	Nominal	As Found	In Tol	Nominal	As Left	In Tol	Min	Max	±U	TUR
°C	N.A.	N.A.		0.00	0.0	Y	-0.5	0.5	0.058	>4:1
°C	N.A.	N.A.		100.00	100.0	Y	99.5	100.5	0.058	>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 Extra-Long-Stem Thermometer should maintain its accuracy. There is no exact way to determine how long calibration will be maintained. Extra-Long-Stem 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 : 07 Dec 2021

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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).