



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



Cert. No.: 4040-1209600C

## Traceable® Certificate of Calibration for Therm./Clock/Humidity Monitor

Manufactured for and distributed by : Traceable® Products 12554 Galveston Rd B230, Webster, TX 77598

### Instrument Identification:

Model: 4040,90080-06

S/N: 210248494

Manufacturer: Control Company

### Standards/Equipment:

Description	Serial Number	Due Date	NIST Traceable Reference
Non-Contact Frequency Counter	26.662025	21 Apr 2021	1000453894
Digital Thermometer	221197993	14 Oct 2021	4000-11621504
Chilled Mirror Hygrometer	44654/2H3737	25 Nov 2021	17811

### Certificate Information:

Technician: 126

Procedure: CAL-17

Cal Date: 27 Mar 2021

Cal Due Date: 27 Mar 2023

Test Conditions: 57.75%RH 22.6°C 1012mBar

### 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.		41.63	41	Y	37	47	0.74	>4:1
°C	N.A.	N.A.		23.25	22.7	Y	22.2	24.2	0.076	>4:1
sec/24hr	N.A.	N.A.		0.000	0.133	Y	-8.64	8.64	0.041	>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= $\pm(\text{Max}-\text{Min})/2$ ; 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 Therm./Clock/Humidity Monitor should maintain its accuracy. There is no exact way to determine how long calibration will be maintained. Therm./Clock/Humidity Monitor 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 : 27 Mar 2021

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).