

## SPECIFICATIONS

Temperature--

Range: 32.0 to 122.0 °F / 0.0 to 50.0 °C

Resolution: 0.1°

Relative Humidity--

Range: 20 to 90% RH

Resolution: 1%

## SETTING TIME-OF-DAY

Slide the CLOCK SET switch, located on the back of the unit, to the CLOCK SET position.

Press the HR button to set the hours. Press the MIN button to set the minutes. Press and hold the button to rapidly advance the display.

With the desired time-of-day indicated on the display, slide the CLOCK SET switch to the LOCK position.

## 12/24 HOUR DISPLAY

Slide the 12HR/24HR switch, located on the back of the unit, to the desired position. In 12 hour format, "AM/PM" will appear on the display.

## SELECTING °C OR °F

To display the temperature reading in Fahrenheit or Celsius, slide the °C/°F switch, located on the back of the unit, to the desired position.

## ABOUT THE MEMORY

***Minimum and maximum memories are NOT programmable.*** The minimum temperature and humidity recorded into memory are the minimum temperature and humidity achieved since the last time the memory was cleared. The maximum temperature and humidity recorded into memory are the maximum temperature and humidity achieved since the last time the memory was cleared. The minimum and maximum memories are maintained over the period since the memory was cleared.

## VIEWING THE HUMIDITY MEMORY

To view the humidity memory, press the HUMIDITY MEMORY button. The maximum humidity reading achieved will be displayed ("MAX" will appear on the display).

Press the HUMIDITY MEMORY button a second time, within 10 seconds, to view the minimum humidity achieved ("MIN" will appear on the display).

**Note:** Ten (10) seconds after pressing the HUMIDITY MEMORY button, the unit automatically returns to the current temperature/humidity reading.

Press the HUMIDITY MEMORY button a third time, within 10 seconds, to return to the current humidity reading.

## CLEARING THE HUMIDITY MEMORY

The minimum and maximum humidity memory may be cleared independently. To clear the desired humidity memory (MIN or MAX), press the CLEAR button while that memory value is being displayed (see the "Viewing the Humidity Memory" section). The display will show "- -" for approximately 8 seconds and will then display the current humidity reading.

## VIEWING THE TEMPERATURE MEMORY

To view the temperature memory, press the TEMP MEMORY button. The maximum temperature reading achieved will be displayed in the top display ("MAX" will appear to the right of the value). The minimum temperature reading achieved will be displayed in the middle display ("MIN" will appear to the right of the value).

Press the TEMP MEMORY button a second time, within 5 seconds, to return the current temperature reading and time-of-day display.

**Note:** Five (5) seconds after pressing the TEMP MEMORY button, the unit automatically returns to the current temperature/time-of-day display.

## CLEARING THE TEMPERATURE MEMORY

To clear the temperature memory (MIN and MAX), press the CLEAR button while the temperature memory is being displayed (see the "Viewing the Temperature Memory" section). The display will show "- -" for approximately 8 seconds and will then display the current temperature and time-of-day.

## **ALL OPERATIONAL DIFFICULTIES**

If this unit does not function properly for any reason, replace the battery with a new high quality battery (see the "Battery Replacement" section).

Low battery power can occasionally cause any number of "apparent" operational difficulties.

Replacing the battery with a new fresh battery will solve most difficulties.

## **BATTERY REPLACEMENT**

Erratic readings, faint readings, or no display are all indications that the battery must be replaced.

Remove the battery cover by sliding it in the direction indicated by the arrow. Remove the exhausted battery and replace it with a new AAA alkaline battery. Make certain to insert the new battery with the proper polarity as indicated in the illustration in the battery compartment. Replace the battery cover.

## **WARRANTY, SERVICE, OR RECALIBRATION**

For warranty, service, or recalibration, contact:

### **TRACEABLE® PRODUCTS**

12554 Old Galveston Rd. Suite B230

Webster, Texas 77598 USA

Ph. 281 482-1714 • Fax 281 482-9448

E-mail [support@traceable.com](mailto:support@traceable.com)

[www.traceable.com](http://www.traceable.com)

Traceable® Products is ISO 9001:2015 Quality-Certified by DNV and ISO/IEC 17025:2005 accredited as a Calibration Laboratory by A2LA.

Cat. No. 4040

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# **TRACEABLE® THERMOMETER/ CLOCK/ HUMIDITY MONITOR INSTRUCTIONS**



# Calibration complies with ISO/IEC 17025, ANSI/NC SL 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=±(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 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).