SPECIFICATIONS:

Display:	⅜" LCD
Range:	–58 to 572°F/ –50 to 300°C
Resolution:	0.1° for –20.0° to 200.0° and 1.0° elsewhere
Accuracy:	**Cat. No. 4377** - ±1.0°C between –20 to 100°C **Cat. No. 4368** - ±0.5°C at tested points between –20 to 100°C ±1.0°C otherwise
Sampling Rate:	1 second
Features:	Clip and protective sleeve

CONTROLS/INDICATORS

ON/OFF, °F/°C, H/T (Hold/Test), MAX/MIN, HI ALM (High Alarm) and LO ALM (Low Alarm)

ULTRA™ THERMOMETER ACCURACY

Ultra™ thermometers are tested at selected test points to be within tighter than normal tolerances to assist in providing improved accuracy. Other points will not necessarily fall within the same accuracy as those found at the selected test points, but will be within an accuracy of ±1.0°C between –20 to 100°C.

OPERATION

1. Press "ON/OFF" button to turn on thermometer.
2. Press "°F/°C" to select Fahrenheit or Celsius.
3. Press the "H/T" (HOLD/TEST) button to retain reading for recording purposes. Press the "H/T" button again to resume testing.
4. Press "MAX/MIN" button ONCE. The minimum temperature tested will display. Press again and maximum temperature tested will display. The display will return to testing position automatically after three seconds.

TEMPERATURE ALARM SETTING:

1. Press and hold the "LO ALM" or "HI ALM" button for setting alarm at desired minimum or maximum temperature limit. When near the desired alarm setting release the button and increment by one degree by pressing the button once for each degree. When the set temperature is achieved wait 3 seconds, and the temperature will be set and the display will return to current temperature. "LOW" or "HIGH" will show on the display indicating the alarm has been set.
2. Alarm will sound 4 beeps per minute when the measured temperature equals or is greater than the maximum or less than the minimum set values. To stop beeping, press any button while the unit is beeping.
3. To delete the alarm setting, press the "°F /°C" or "ON/OFF" button.

ALL OPERATIONAL DIFFICULTIES

If this unit does not function properly for any reason, replace the battery with a new high-quality battery (see "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, a faint display, no display, or a battery icon on the display are all indicators that the battery must be replaced. Remove the battery cap by turning ¼ turn counter clockwise. Replace exhausted battery with new 1.5 volt battery. Make certain that the positive (+) side is face up. Replace battery cap. Replacement battery Cat. No. 1039.

WARRANTY, SERVICE, OR CALIBRATION

For warranty, service, or calibration 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 • www.traceable.com

Traceable® Products is ISO 9001:2008 Quality-Certified by DNV and ISO/IEC 17025:2005 accredited as a Calibration Laboratory by A2LA.

TRACEABLE® FULL-SCALE PLUS THERMOMETER INSTRUCTIONS

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

A2LA Certificate No. 1750.01 Calibration

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, Quality Manager

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
Phone 281 482-1714 Fax 281 482-9448 sales@control3.com www.traceable.com