

SPECIFICATIONS

Range: -76 to 932°F / -60 to 500°C

Resolution: 0.1° (-9.9 to 199.9)
1° (otherwise)

OPERATION

Press and continue to hold down the trigger to take temperature readings. The unit will take temperature readings while the trigger is pressed and held (SCAN appearing on the display indicates measurements are being taken).

After the trigger is released, the last temperature measured will be displayed for approximately 15 seconds and the display will turn off automatically. HOLD will appear on the display when the trigger has been released to indicate that the unit is no longer taking temperature measurements.

SELECTING UNITS OF MEASURE

Each press of the °C/°F button will toggle between °C and °F.

LASER TARGETING

Laser targeting is always active when the trigger is being pressed. Each time the trigger is pressed and held, the laser beam will be emitted.

CAUTION: Eye damage may result from direct exposure to laser light.

MAXIMUM TEMPERATURE

While taking measurements, the unit will automatically record the maximum temperature reading that has been measured. This value will appear on the display to the right of $\overline{M}AX$.

DISTANCE SPOT/RATIO

There are other factors that may affect measurement accuracy. The target must completely fill the spot diameter seen by the infrared sensor; otherwise readings will be influenced by the surface surrounding the target. The ratio of the distance to the size of the spot being measured is 11:1. For example, an object's diameter of 100mm can be measured from 1100mm.

DISPLAY MESSAGES

"ER2" will appear on the display when the unit is exposed to rapid changes in ambient temperature.


"ER3" will appear on the display when the ambient temperature is below 32° F (0° C) or above 122° F (50° C).

"ER" will appear on the display when the unit needs to be reset. To reset the unit, remove the batteries, wait 2 minutes and then re-install the batteries.

ALL OPERATIONAL DIFFICULTIES

If this thermometer does not function properly for any reason, replace the batteries with new high quality batteries (see Battery Replacement section). Low battery power can occasionally cause any number of “apparent” operational difficulties. Replacing the batteries with new fresh batteries will solve most difficulties.

BATTERY REPLACEMENT

Erratic readings, faint readings, no display, or  appearing on the display are all indications that the batteries must be replaced. Open the battery compartment by sliding the battery cover in the direction indicated by the arrow and then lift the battery cover. Remove the exhausted batteries and replace them with two (2) new AAA alkaline batteries. Make certain to install the new batteries in the directions indicated in the battery compartment. Close the battery cover.

WARRANTY or SERVICE

For warranty or service, 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 9001:2018 Quality-Certified by DNV and ISO/IEC 17025:2017 accredited as a Calibration Laboratory by A2LA.

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TRACEABLE® INFRARED THERMOMETER GUN INSTRUCTIONS

Note: Traceable Infrared thermometers, are NOT approved for Medical usage, and are not FDA approved.



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).