

SPECIFICATIONS

Range: -27 to 428 °F / -33 to 220 °C

Resolution: 0.1° (-9.9 to 199.9)

1° (otherwise)

OPERATION

Press and continue to hold down the MEAS button to take temperature readings. The unit will take temperature readings while the MEAS button is pressed and held.

The thermometer has a 1:1 distance spot/ratio and should be held as close to the target as possible for the most accurate measurement. (See the Distance Spot/Ratio section for details.)

After the MEAS button is released, the last temperature measured will be displayed for approximately 15 seconds, the display will then turn off automatically.

SELECTING UNITS OF MEASURE

1. Locate the hole to the °F/°C button on the back of the unit (there is a corresponding hole in the pocket clip).
2. Press and release the MEAS button to turn on the display.
3. With a pointed object (such as a paperclip), depress the °C/°F button. Each press will toggle the display between °C and °F.


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 1:1. For example, an object's diameter of 100mm can be measured from 100mm. For an accurate measurement, the unit should be held as close to the target as possible.

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. Remove the pocket clip screw and lift off the back of the unit. Remove the exhausted batteries and replace them with two (2) new LR44 1.5-volt batteries. Make certain to install the new batteries in the directions indicated in the battery compartment. Snap the back of the unit back on and replace the pocket clip screw. *Be careful not to over-tighten the screw as this may cause damage to the unit.*

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 • 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 W/POCKET CLIP INSTRUCTIONS

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



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=±(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

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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).