

SPECIFICATIONS

Range: -58 to 572 °F / -50 to 300 °C

Resolution: 0.1° (-19.9 to 199.9)
1° (otherwise)

Accuracy: ±1°C from -30 to 250°C;
or ±2°C elsewhere

Features: High/Low Temperature Alarm
Minimum/Maximum Memory

PROBE CABLE COMPARTMENT

Open the cable compartment located at the top of the back of the unit to access the probe cable. The bottom of the compartment is hinged and will drop down. Open the bottom portion first. The top portion of the compartment is designed to be pulled straight out approximately 1/4 inch allowing the probe cable to be un-wound/wound around the cable spool. *The top portion is not designed to be pulled out completely.*

OPERATION

Remove the plastic tip protector from the tip of the stainless steel probe. Press the ON/OFF button to turn the unit on. Press the °F/°C button to switch between Fahrenheit and Celsius temperature. Insert the probe into the material to be measured and read the display.

Note:

The probe handle and cable are not waterproof. Do not immerse probe handle or cable in liquid. Immersing the probe handle or cable in liquid can cause permanent damage to the thermometer.

To turn the unit off, press the ON/OFF button. To conserve battery life, always turn the unit off when it is not in use.

MINIMUM/MAXIMUM MEMORIES

While taking measurements, press the MAX/MIN button once. The minimum temperature tested will be displayed. Press the MAX/MIN button again and maximum temperature tested will be displayed. The display will return to current temperature automatically after three seconds.

The minimum/maximum memories are cleared when the thermometer is turned off.

TEMPERATURE ALARM

While taking measurements, press the LO AL or HI AL button to set an alarm at a desired minimum (LO AL) or maximum (HI AL) temperature limit.

Press and hold the button to rapidly advance the display.

Once the desired alarm temperature appears on the display, wait 3 seconds, the temperature alarm point will be set and the display will return to the current temperature reading. "LOW" and/or "HI" will show on the display indicating the alarm has been set.

The 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 silence/stop the alarm, press any button while the unit is alarming.

To clear the alarm setting, press the °F/°C or ON/OFF button.

HOLD/TEST FUNCTION

While taking measurements, press the H/T (HOLD/TEST) button to “freeze” the reading for recording purposes (“HOLD” will flash on the display). Press the H/T button again to resume testing.

Note:

While the HOLD function is being used, the thermometer will not measure/record any temperature values for the Minimum/Maximum Memories, or High/Low Alarms.


BENCH STAND

The unit is supplied with a bench stand that is part of the back of the unit. To use the bench stand, locate the small rectangular opening at the bottom of the unit. Place your fingernail into the opening and flip the stand out. To close the stand, simply snap it shut.

ALL OPERATIONAL DIFFICULTIES

If this thermometer does not function properly for any reason, replace the battery with a new high quality battery (see “Battery Replacement” section). Low battery power can 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  appearing on the display are all indications that the battery must be replaced. Flip open the bench stand and slide the battery cover off in the direction of the arrow. Remove the exhausted battery and replace it with a new 1.5 volt silver-oxide 357 size battery. Make certain positive (+) side is visible. Replace battery cover. Close the bench stand.

WARRANTY, SERVICE, OR RECALIBRATION

For warranty, service, or recalibration, contact:

TRACEABLE® PRODUCTS

12554 Old Galveston Rd. Suite B230

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Ph. 281 482-1714 • Fax 281 482-9448

E-mail support@traceable.com • 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.

TRACEABLE® KANGAROO™ THERMOMETER INSTRUCTIONS

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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

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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).