**TRACEABLE AO-94460-07**

# Traceable Excursion-Trac Data Logging Thermometer User Manual

Model: AO-94460-07

## 1. INTRODUCTION

The Traceable Excursion-Trac Data Logging Thermometer is designed for precise and reliable temperature monitoring and data logging. This device is ideal for applications requiring continuous temperature tracking and historical data retrieval. It features a clear LCD display, alarm functions, and the ability to log a significant number of temperature observations.

Front view of the Traceable Excursion-Trac thermometer, showing the main display, control buttons, connected bottle probe, and a USB flash drive for data transfer.

## 2. SETUP

### 2.1 Unpacking

Carefully unpack all components. The package should contain:

- Traceable Excursion-Trac Data Logging Thermometer unit
- 1 Bottle Probe
- 2 AAA Batteries
- Instruction Manual (this document)

### 2.2 Battery Installation

1. Locate the battery compartment on the back of the thermometer.
2. Open the compartment cover.
3. Insert two (2) AAA batteries, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely. The device will power on automatically.

## 2.3 Probe Connection

Connect the bottle probe cable to the designated probe input port (labeled P1 or P2) on the side of the thermometer unit. Ensure the connection is firm.



Rear view of the thermometer, illustrating the integrated kickstand for desktop placement and wall-mount slot.

## 3. OPERATING INSTRUCTIONS

### 3.1 Power On/Off

The device powers on automatically upon battery installation. To turn off the device, remove the batteries. For temporary power saving, some models may have an ON/OFF switch for the alarm or display backlight, but the main unit remains active for logging.

### 3.2 Display Overview

The LCD display shows various information:

- **Current Temperature:** The primary reading from the connected probe(s).
- **MIN/MAX:** Minimum and maximum temperatures recorded since the last reset.
- **MEM:** Indicates memory status or data logging activity.
- **ALARM:** Indicates alarm status (active, triggered).
- **DATE/TIME:** Current date and time for logged events.

# Überwachen Sie Ihre Temperatur mit Gewissheit

## Hochwertiges Thermometer für eine zuverlässige Leistung

**Cole-Parmer®**
an antylia scientific company

**Traceable®**

TRACEABLE®
EXCURSION-TRAC™

**Dieses Digitalthermometer liefert präzise Temperaturmessungen für zahlreiche Anwendungen.**

The thermometer display showing the current date and time, indicating its time-keeping functionality for logged data.

### 3.3 Unit Selection (°C/°F)

Press the **UNITS** button to toggle between Celsius (°C) and Fahrenheit (°F) temperature scales.

### 3.4 Viewing Min/Max/Date/Time

Press the **MIN/MAX/ALARM-DATE/TIME** button to cycle through the minimum temperature, maximum temperature, and current date/time displays. The display will show the recorded minimum and maximum temperatures since the last reset.

### 3.5 Alarm Function

The thermometer features programmable high and low alarms. When the temperature exceeds or falls below the set limits, an audible and visual alarm will activate.

1. **Setting Alarms:** Use the **SELECT/ADVANCE** and **ALARM DATE SET** buttons to navigate and adjust the high and low temperature thresholds. Refer to the on-screen prompts for specific steps.
2. **Alarm On/Off:** Use the **ALARM ON/OFF** switch to enable or disable the alarm function.
3. **Silence Alarm:** Press the **SILENCE ALARM** button to temporarily mute an active alarm.
4. **Event Display:** The **EVENT DISPLAY** button allows viewing of recorded alarm events. The device can store up to 10 individual alarm events.

## 3.6 Data Logging and Retrieval

The Excursion-Trac thermometer automatically logs temperature data. It can store up to 525,600 temperature observations. To retrieve logged data:

1. Connect the thermometer to a computer using a standard USB cable (not always included, check package contents).
2. The device should appear as a removable storage device.
3. Access the logged data files (typically in a CSV or similar format) from the device's storage.
4. Copy the files to your computer for analysis.



Side view of the thermometer, clearly showing the USB port for data transfer and the power input.

## 4. MAINTENANCE

### 4.1 Battery Replacement

When the low battery indicator appears on the display, replace the two AAA batteries immediately. Ensure new batteries are inserted with correct polarity.

### 4.2 Cleaning

Wipe the thermometer unit and probes with a soft, damp cloth. Do not use abrasive cleaners or immerse the main unit in liquids. The bottle probe is designed for use in various environments, including freezers.

### 4.3 Calibration

The Traceable Excursion-Trac thermometer is supplied with an individually calibrated and certified NIST-traceable certificate. For continued accuracy and compliance, periodic recalibration is recommended according to your facility's protocols or regulatory requirements.

## 5. TROUBLESHOOTING

- **"Battery Low" Message:** Replace the two AAA batteries immediately. Ensure new batteries are inserted with correct polarity.

- **Inaccurate Readings:** Verify that the probe is securely connected to the unit. Ensure the probe is correctly positioned within the environment being monitored. Check for any visible damage to the probe cable or sensor.

- **Data Download Issues:** Ensure the USB cable is properly connected to both the thermometer and the computer. Try a different USB port or cable. If the device does not appear as a removable drive, consult the manufacturer's support for specific driver or software requirements.

- **No Display:** Check battery installation and ensure batteries are not depleted. If the issue persists after replacing batteries, contact customer support.

## 6. SPECIFICATIONS



Gewährleistet absolute Sorglosigkeit

Mit der mühelosen Überwachung und Temperaturspeicherung entgeht Ihnen nichts

Inklusive NIST-Rückführbarkeitszertifikat von unserem A2LA-akkreditierten (1750.01) Kalibrierlabor.

NIST

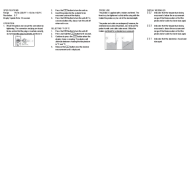An illustration of the thermometer with its physical dimensions and temperature range.
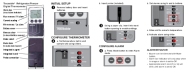
| Feature | Detail |
| --- | --- |

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|---|---|
| Model Number | AO-94460-07 |
| Accuracy | ±0.25°C |
| Temperature Range | -50°C to 70°C (-58°F to 158°F) |
| Temperature Resolution | 0.01° |
| Probe Type | 1 Bottle Probe |
| Data Logging Capacity | Up to 525,600 temperature observations |
| Display Type | LCD, 1/2"H digits |
| Connectivity | USB |
| Power Source | 2 x AAA Batteries |
| Material | Plastic |
| Dimensions (H x W x D) | 10.79 cm x 6.98 cm x 1.9 cm (approx. 4.25 in x 2.75 in x 0.75 in) |
| Special Features | High Accuracy, Min/Max Memory, Alarm Function, 3m Micro-Thin Cable, Integrated Stand, Wall Mount, Magnetic Strip |

## 7. WARRANTY AND SUPPORT

For technical assistance, warranty claims, or further information regarding your Traceable Excursion-Trac Data Logging Thermometer, please contact your supplier or the manufacturer directly. Refer to your purchase documentation for specific warranty terms and contact details.

## Related Documents - AO-94460-07

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| | [Traceable Extra-Long Probe Waterproof Thermometer Instructions and Specifications](#)<br>User manual and specifications for the Traceable Extra-Long Probe Waterproof Thermometer (Cat. No. 6406), including operation, probe use, display messages, troubleshooting, and warranty information. |
| | [Traceable Logger-Trac Datalogging Thermometer Instructions and Specifications](#)<br>User guide and specifications for the Traceable Logger-Trac electronic temperature data recorder, detailing its features, operation, and settings for environmental monitoring. |
| | [Traceable 37804-10 Radio Signal Refrigerator Thermometer: User Manual and Instructions](#)<br>Official user manual and instructions for the Traceable 37804-10 Radio Signal Refrigerator Thermometer. Learn about specifications, setup, operation, troubleshooting, and features for accurate temperature monitoring. |

| | [Traceable Refrigerator/Freezer Digital Thermometer Quick-Start Guide](#)<br><br>Quick-start guide for the Traceable Refrigerator/Freezer Digital Thermometer (Models 5650, 5651, 5652). Learn how to set up, configure alarms, and understand display messages for accurate temperature monitoring. |
|---|---|
| | [Traceable Kangaroo Thermometer Instructions and Specifications](#)<br><br>User manual and specifications for the Traceable Kangaroo Thermometer, detailing operation, features like temperature alarms and memory, probe cable management, bench stand usage, battery replacement, and warranty information. |
| | [Traceable Jumbo Display Dial Thermometer Instructions and Specifications](#)<br><br>This document provides instructions, specifications, troubleshooting, and warranty information for the Traceable Jumbo Display Dial Thermometer, model 92-4049-00. It details temperature range, accuracy, operation, battery replacement, and contact details for service. |