## SPECIFICATIONS

| | |
|---|---|
| Display: | LCD, 1/2" digits |
| Meter Range: | –328 to 1472°F (–200 to 800°C) |
| Probe Range: | –58 to 752°F (–50 to 400°C) |
| Accuracy: | ±(0.1% + 0.2°) below 200° and |
| | ±(0.15% + 0.5°) |
| Power: | 9V battery |
| Size: | 7 x 3 x 1¼ inches |
| Accessories Supplied: | Platinum probe, battery, Traceable Certificate and instructions |

Fig 1.
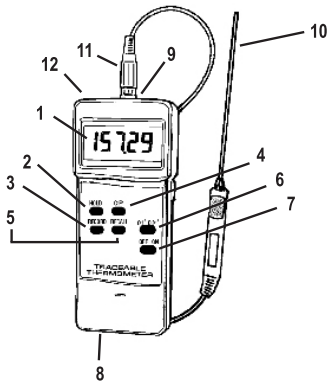


## DESCRIPTION:

1  Display
2  HOLD Button
3  Record Button
4  °C/°F Switch
5  Recall Button
6  0.1°/0.01° Button
7  Power Switch

8  Battery Cover
9  Input Socket
10 PT 100 ohm
    Temperature Probe
11 Probe Plug
12 Computer output
    terminal

## OPERATION

1. Turn on the unit by sliding the power switch (7, Fig. 1) to the "ON" position.
2. Press the °F/°C Button to select the desired temperature unit (4, Fig. 1).
3. Select the desired resolution by pressing the 0.1°/0.01° Button (6, Fig. 1).
4. Connect the Probe Plug (11, Fig.1) to the input Socket (9, Fig. 1). The display will show the temperature from the tip of the probe.
5. Press the HOLD button (2, Fig. 1) once to "freeze" the display at the current temperature reading. "HOLD" appears on the upper portion of the display indicating that the unit is in hold mode. Press the HOLD button again to release the reading.
6. The data record function captures the maximum and minimum readings. To begin, press the RECORD button (3, Fig. 1) once. "RECORD" appears in the upper portion of the display.
7. While in record mode, press the RECALL button (5,

Fig. 1) once. "MAX" appears on the display indicating the temperature shown is the maximum value recorded.
8. Press the RECALL button a second time, and "MIN" appears on the display, indicating that this is minimum value recorded.
9. To exit the record mode, press the RECORD button once again. The display will show the current reading

## PC SERIAL INTERFACE

This unit features computer output. A COMPUTER OUTPUT SOCKET (12, Fig. 1) is located on the top of the unit. To utilize this feature, connect the unit to a PC with the Data Acquisition Accessory (see "ACCESSORIES" section).

Data is displayed in a 16-digit stream: D15 through D0. Each digit indicates the following:

| | |
|---|---|
| D0 | end word |
| D1 to D8 | Display Reading: D1=LSD, D8=MSD |
| D9 | Decimal Point (DP): 0=no DP, 1= 1 DP, 2= 2 DP, 3 = 3DP |
| D10 | Reading Polarity for the display: 0 = "+", 1 = "-" |
| D11/D12 | Annunciator for Display: 01=°C, 02=°F |
| D13 | 1 |
| D14 | 4 |
| D15 | start word |

## ALL OPERATIONAL DIFFICULTIES

If this thermometer does not function properly for any reason, please properly replace the battery with a new 9V battery (see Battery section, below). 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

When [+ –] appears on the display, erratic readings appear, there is a faint display or no display–these are all indicators that the battery is low and needs to be replaced. To replace the battery, remove the battery cover located on the back of the unit (8, Fig. 1) by using a coin to slide the cover away from the unit. Insert a new 9V battery (alkaline). Incorrectly installed batteries may damage electronics. Replace the battery cover.

**ACCESSORIES**

**Cat. No. 4138  Easy-Use Accessory Adaptor 115 VAC**

**Cat. No. 4136  Data Acquisition System Accessory**
Powerful and easy to use computer data capture/data logging program works with Traceable® Instruments with computer output. Records interval readings from 1 to 10,000 seconds; displays minimum/maximum readings; and utilizes an alarm mode that permits the user to be notified visually, audibly, and by email when an alarm is triggered. Data is stored to a file that can be printed in any report or spreadsheet format. Networking server/client capability allows the captured data to be monitored on a remote workstation and/or by email. It is designed to work with Windows® 98/Me/NT/2000/XP/Vista.  Includes a CD, a 6-foot cable (supplied USB and serial connections) that plugs into the instrument and computer. Accessory extension cables expand cable length to 300 feet.

**Cat. No. 4325 Data Logger** Complete DAS–4 System captures and stores up to 8000 bytes (over 1000 readings) from all meters.  Reading may be taken at intervals from 1 second to 99 hours.  Stored readings may be downloaded to any PC and viewed.  Can be read "as is" or imported to spreadsheets, databases, and statistical programs.  Supplied with 36-inch serial cable with D9F

computer plug, disk (Windows 95, Windows 98), and four AA alkaline batteries.  Size is 5 x 3 x 1 inches.  Weight is 7 ounces.

**Cat. No. 4326 Accessory Adaptor 115 VAC for Data Logger**

**Cat. No. 4012 Battery Replacement**

# TRACEABLE®
# RTD PLATINUM
# THERMOMETER
# INSTRUCTIONS