

# TRACEABLE® HYGROMETER/THERMOMETER/DEW POINT METER INSTRUCTIONS

## SPECIFICATIONS

### Temperature—

**Range:** -4.0 to 140.0 °F / -20.0 to 60.0 °C

**Resolution:** 0.1°

### Humidity—

**Range:** 10.0 to 95.0% RH

**Resolution:** 0.1%

**Data Logging:** 99 reading capability

## OPERATION

1. Turn the meter on by sliding the OFF/ON/HOLD switch to the ON position.
2. Slide the °F/°C switch to the desired position:  
°F displays temperature readings in Fahrenheit.  
°C displays temperature readings in Celsius
3. Slide the DEW/%RH/TEMP switch to the desired position:  
DEW displays the Dew Point Temperature as the primary (larger) reading and the Relative Humidity as the secondary (smaller) reading  
%RH displays the Relative Humidity as the primary (larger) reading and the Temperature as the secondary (smaller) reading  
TEMP displays the Temperature as the primary (larger) reading and the Relative Humidity as the secondary (smaller) reading
4. Turn the meter off by sliding the OFF/ON/HOLD switch to the OFF position.

## AUTOMATIC SHUTOFF (Disable)

To preserve battery life, the Automatic Shutoff feature (indicated by “P” appearing at the bottom middle of the display) will automatically shut the meter off after 30 minutes if no switches have been used and no buttons have been pressed.

To Disable the Automatic Shutoff feature:

1. Turn the meter off by sliding the OFF/ON/HOLD switch to the OFF position.
2. Press and hold the READ button and turn the meter on by sliding the OFF/ON/HOLD switch to ON. “P OFF” will appear on the display indicating that the automatic shutoff feature has been disabled. (“P” will no longer appear at the bottom of the display) The automatic shutoff feature is automatically enabled when the meter is turned on unless the above procedure is followed.

## HOLD FUNCTION

1. Slide the OFF/ON/HOLD switch to the HOLD position to “freeze” the display at the current reading (“HOLD” will appear at the top of the display).

### NOTE:

- a. Sliding the DEW/%RH/TEMP and/or the °F/°C switch while in the Hold mode will show the desired value (Temperature, %RH, Dew Point) for the “frozen” reading.
- b. If the MEMORY button is pressed while in the Hold mode, the “frozen” reading will be recorded in the data logger memory.
2. Slide the OFF/ON/HOLD switch to the ON position to return the display to the current reading. (“HOLD” will no longer appear on the display).

## MANUAL DATA LOGGING

The data logger feature will store and retain up to 99 readings until they have been cleared. The number at the bottom left of the display indicates how many readings are currently stored in the data logger memory.

If desired, prior to recording additional readings into memory, clear the existing data logger memory. (See the “Clearing the Data Logger Memory” section.)

With the meter turned on and displaying the desired values, press the MEMORY button.

Each time the MEMORY button is pressed, “M” will appear to the left of the display and the reading will be recorded in the data logger memory.

### NOTE:

- a. All readings (Temperature, Relative Humidity, and Dew Point) will be stored into memory with each press of the MEMORY button, regardless of the display mode.
- b. If the MEMORY button is pressed while in the Hold mode, the “frozen” reading will be recorded in the data logger memory.

Once the data logger memory is full (99 readings), “FULL” will appear at the top of the display when the MEMORY button is pressed. See the “Clearing the Data Logger Memory” section to clear the memory so that more data may be recorded.

## DISPLAYING THE DATA LOGGER MEMORY

The data logger will store and retain the readings until they have been cleared.

To view the readings stored in the data logger memory :

1. Turn the meter on by sliding the OFF/ON/HOLD switch to the ON position. The number of readings stored in the data logger memory will be shown in the lower left corner of the display.
2. Pressing the READ button will scroll through the readings stored in the data logger memory in order of newest to oldest (10, 9, 8, 7, 6... etc.). “R” will appear on the display to indicate that the value on the display is a reading stored in the data logger memory.

### NOTE:

- a. While displaying the readings stored in the data logger memory, sliding the DEW/%RH/TEMP and/or the °F/°C switch will show the desired value (Temperature, %RH, Dew Point) for the recorded reading.
- b. Pressing the MEMORY button while displaying the readings stored in the data logger memory will skip the readings in groups of 10 (98, 88, 78, 68... etc.)
3. To exit from displaying the data logger memory, press and hold the READ button for 3 seconds. “R” will no longer appear on the display.

## CLEARING THE DATA LOGGER MEMORY

The data logger will store and retain the readings until they have been cleared.

Once the maximum number of readings (99) have been recorded, the data logger memory must be cleared in order to record more data.

1. Turn the meter off by sliding the OFF/ON/HOLD switch to the OFF position.
2. Press and hold the MEMORY button and turn the meter on by sliding the OFF/ON/HOLD switch to ON. "M CLR" will appear at the bottom of the display indicating that the memory has been cleared.

Note: When cleared, all readings stored in the data logger memory will be removed. It is not possible to clear individual readings from the data logger memory.

#### **ALL OPERATIONAL DIFFICULTIES**

If this meter does not function properly for any reason, replace the battery with a new high quality battery (see the "Battery Replacement" section). 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**

An erratic display, faint display, no display, or battery symbol appearing on the display are all indicators that the battery needs replacement. Slide the battery cover off the back of the meter in the direction of the arrow. Remove the exhausted battery and replace it with a new 9 volt alkaline battery. Replace the battery cover.