

## SPECIFICATIONS

### Temperature

**Range:** 32.0 to 140.0°F and 0.0 to 60.0°C

**Resolution:** 0.1°C

### Humidity

**Range:** 5.0 to 95.0%

**Resolution:** 0.1%

### Display Unit

**Battery:** 1 x AAA (1.5 VDC)

**Sampling Rate:** 3 seconds/sample

## DISPLAY MODES

**Temperature Display Mode:** Indicated by the display of the current temperature and the MAX (maximum) and MIN (minimum) temperature readings.

**Humidity Display Mode:** Indicated by the display of the current humidity and the MAX/MIN humidity readings. Press the MODE button to alternate display modes.

## DISPLAYING °F OR °C

Press the °C/°F button while in the temperature display mode to toggle the temperature unit of measure between Celsius and Fahrenheit.

## RESETTING MIN/MAX MEMORIES

### TEMPERATURE

While in the temperature display mode, press the CLR MEM/+ button to clear the MIN and MAX temperature memories. The display will show "--" briefly, and then reset MIN/MAX values to current temperature reading.

### HUMIDITY

While in the humidity display mode, press the CLR MEM/+ button to clear the MIN and MAX humidity memories. The display will show "--" briefly, and then reset the MIN and MAX values to the current humidity reading.

## ALARMS

There are four adjustable alarm set points:

High Temperature Alarm—

Alarm will sound when the temperature measured is greater than this set point.

Low Temperature Alarm—

Alarm will sound when the temperature measured is less than this set point.

High Humidity Alarm—

Alarm will sound when the humidity measured is greater than this set point.

**LOW HUMIDITY ALARM—**

Alarm will sound when the humidity measured is less than this set point.

All four alarm set points are independent of each other. The user may enable/disable any combination of the alarm set points.

## SETTING TEMPERATURE ALARMS

1. While in the Temperature Display Mode, press and hold the SET button until "HI" appears on the display.
2. If "--" appears on the display to the left side of "HI", press the MODE or CLR MEM/+ button to enable the high temperature alarm. The dashes will be replaced with an initial alarm value.
3. To change the high temperature alarm set point, press the CLR MEM/+ button to advance the display in 1°C increments until the desired setting is reached. Press and hold the CLR MEM/+ button to rapidly advance the setting.
4. Press the SET button to save the set point. "LO" will then appear on the display.
5. If "--" appears on the display to the left side of "LO", press the MODE or CLR MEM/+ button to enable the low temperature alarm. The dashes will be replaced with an initial alarm value.
6. To change the low temperature alarm set point, press the CLR MEM/+ button to advance the display in 1°C increments until the desired setting is reached. Press and hold the CLR MEM/+ button to rapidly advance the setting.

7. Press the SET button to save the set point. The display will return to the temperature min/max display mode.

## SETTING HUMIDITY ALARMS

1. While in the Humidity Display Mode, press and hold the SET button until "HI" appears on the display.
2. If "--" appears on the display to the left side of "HI", press the MODE or CLR MEM/+ button to enable the high humidity alarm. The dashes will be replaced with an initial alarm value.
3. To change the high humidity alarm set point, press the CLR MEM/+ button to advance the display in 1% increments until the desired setting is reached. Press and hold the CLR MEM/+ button to rapidly advance the setting.
4. Press the SET button to save the set point. "LO" will then appear on the display.
5. If "--" appears on the display to the left side of "LO", press the MODE or CLR MEM/+ button to enable the low humidity alarm. The dashes will be replaced with an initial alarm value.
6. To change the low humidity alarm set point, press the CLR MEM/+ button to advance the display in 1% increments until the desired setting is reached. Press and hold the CLR MEM/+ button to rapidly advance the setting.

7. Press the SET button to save the set point. The display will return to the humidity min/max display mode.

#### **ALARM SOUNDING**

The unit will sound the alarm in the event an alarm limit is breached, regardless of the display mode. In addition, the alarm set point breached will flash on the display. The unit will continue to alarm until acknowledged on the device, even if the alarming parameter returns to within range. To acknowledge an active alarm, press the CLR MEM/+ button. Note pressing the button will not clear the min/max if the unit is in an alarm state.

#### **DISABLING AN ALARM SET POINT**

To disable an alarm set point, follow the instructions for setting an alarm set point accordingly. When the desired set point is on the display indicated by either "HI" or "LO" for the measurement display mode selected, press the MODE button. The alarm set point will be replaced with "--" to indicate the alarm set point is disabled.

#### **BENCH STAND**

The unit is supplied with a built-in bench stand on the rear case side. To open the bench stand, place your finger into the opening at the top of the stand and flip out. To close the stand, snap it back into the closed position.

#### **WALL MOUNT**

Set one screw into the wall at the desired location. Do not set the screw flush with the wall, the head of the screw will need to slip into the receptacle on the back

of the unit. Once the screw is in place, hang the unit by sliding the receptacle on the back of the unit over the screw head.

#### **OPERATION DIFFICULTY**

If the unit does not function properly for any reason, replace the battery with a new high-quality battery (see "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**

Erratic readings, faint display, or no display are all indications that the battery must be replaced. Slide the battery cover down in the direction of the arrow printed on the cover. Remove the exhausted battery and replace with a AAA alkaline battery. Make certain to insert the new battery with the proper polarity as indicated in the illustration in the battery compartment. Replace the battery cover.

# **TRACEABLE® ALARMING HYGROMETER/ THERMOMETER INSTRUCTIONS**