

# TRACEABLE® BIG-DIGIT HYGROMETER/THERMOMETER INSTRUCTIONS

## SPECIFICATIONS

### Thermometer

**Range:** Ambient— 32 to 122 °F (0 to 50 °C)  
Probe— -58 to 58 °F (-50 to 70 °C)  
**Resolution:** 1°  
**Accuracy:** ±1°C  
**Update:** 10 seconds

### Hygrometer

**Range:** 25 to 95% RH  
(temperature compensated)  
**Resolution:** 1%  
**Accuracy:** ± 2% RH (mid-range)  
± 4% RH (outside mid-range)  
**Update:** 10 seconds  
**Display:** 1<sup>6</sup> inch (2.85 cm) LCD  
**Case:** ABS Plastic  
**Power:** 1 AAA Alkaline Battery

## BEFORE USE

Before using this Hygrometer/Thermometer, place your thumb on the ribbed area on the back of the unit and slide the battery cover off. Remove the red tab so that the battery will make proper contact at the terminals. Replace the battery cover.

## THERMOMETER FEATURES Displaying °F or °C

To display the ambient (IN) and probe (OUT) temperature in either Fahrenheit or Celsius, slide the switch on the back of the unit to the appropriate setting, °F for Fahrenheit or °C for Celsius.

### Displaying Ambient /Probe Temperature

To display the ambient (IN) temperature, press the IN/OUT button until IN appears at the top of the display.

To display the probe (OUT) temperature, press the IN/OUT button until OUT appears at the top of the display.

### External Temperature Probe

The external temperature probe may be used to monitor temperatures in air/gas, liquids, and semi-solids. Both the probe and cable may be totally immersed in water.

## HYGROMETER FEATURES

The unit will display the ambient relative humidity. The humidity sensor is located inside the case of the unit, the probe supplied is for temperature only.

**COMFORT—** Appears when the temperature is between 68 and 77 °F (20 and 25 °C) and the relative humidity is between 40 and 70%~

**WET—** Appears when the relative humidity is over 70% regardless of the temperature.

**DRY—** Appears when the relative humidity is under 40% regardless of the temperature.

No message will appear when the temperature is below 68°F (20°C) or higher than 77°F (25 °C) and the relative humidity is between 40 and 70%.

## MEMORY RECALL

1. Press the MIN button once to recall minimum temperature and humidity, MIN will appear on the display to the left of the temperature and humidity readings. To toggle between displaying the minimum ambient (IN) and minimum probe (OUT) temperature, press the IN/OUT button.
2. Press the MIN button again to return to the current temperature and humidity displays, MIN will no longer appear on the display.
3. Press the MAX button once to recall maximum temperature and humidity, MAX will appear on the display to the left of the temperature and humidity readings. To toggle between displaying the maximum ambient (IN) and maximum probe (OUT) temperature, press the IN/OUT button.
4. Press the MAX button again to return to the current temperature and humidity displays, MAX will no longer appear on the display.

## MINIMUM MEMORY RESET

1. Press the MIN button once to recall the minimum temperature and humidity, MIN will appear on the display to the left of the temperature and humidity readings.
2. Select the minimum temperature that you would like to reset (ambient or probe). To toggle between displaying the minimum ambient (IN) and minimum probe (OUT) temperature, press the IN/OUT button.
3. Press the MEM. RESET button located on the back of the unit to reset the minimum temperature being displayed and humidity. This will set their minimum readings to the current readings.

**Note:** Pressing the MEM. RESET button will only reset the temperature that is being displayed (ambient or probe, it will not reset both. To reset both, you must repeat steps 2 and 3 selecting one then the other.

3. Press the MIN button again to return to the current temperature and humidity display, MIN will no longer appear on the display.

## MAXIMUM MEMORY RESET

1. Press the MAX button once to recall the maximum temperature and humidity, MAX will appear on the display to the left of the temperature and humidity readings.
2. Select the maximum temperature that you would like to reset (ambient or probe). To toggle between displaying the maximum ambient (IN) and maximum probe (OUT) temperature, press the IN/OUT button.
3. Press the MEMORY RESET button located on the back of the unit to reset the maximum temperature being displayed and humidity. This will set their maximum readings to the current readings.

**Note:** Pressing the MEM. RESET button will only reset the temperature that is being displayed (ambient or probe), it will not reset both. To reset both, repeat steps 2 and 3 selecting one then the other.

4. Press the MAX button again to return the current temperature and humidity display, MAX will no longer appear on the display.

## WIRE SENSOR HOLDER

A wire holder is provided with the unit for holding the external sensor. Place a screw or nail through the hole of the wireholder to mount the sensor on a wall.

## WALL MOUNTING

The unit is provided with a receptacle for wall mounting. Set a screw into the wall at the location desired. The head of the screw will need to slip into the receptacle on the back of the unit. Do not set the screw flush to the wall. Once the screw has been set properly, hang the unit in place by sliding the receptacle on the back of the unit over the head of the screw. The unit may also be mounted by using the Velcro™ supplied.

## BENCH STAND

The unit is supplied with a bench stand that is a part of The case. To use the bench stand, locate the small rectangular opening on either side of cover. Place your fingernail into the opening and flip the stand up. To close the stand, simply snap it shut.

## ALL OPERATIONAL DIFFICULTIES

If this Hygrometer/Thermometer does not function properly for any reason, please 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, a faint display, no display, or BATT appearing on the display are all indicators that the batteries must be replaced. Remove the battery cover by sliding it in the direction indicated by the arrow. Remove the exhausted battery and install a new AAA Alkaline battery. Replace the battery cover.

## WARRANTY, SERVICE, OR RECALIBRATION

For warranty, service, or recalibration, contact:

### CONTROL COMPANY

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Control Company is ISO 9001 Quality-Certified by DNV and ISO 17025 accredited as a Calibration Laboratory by A2LA.