



**ETG38**

**MANUAL**

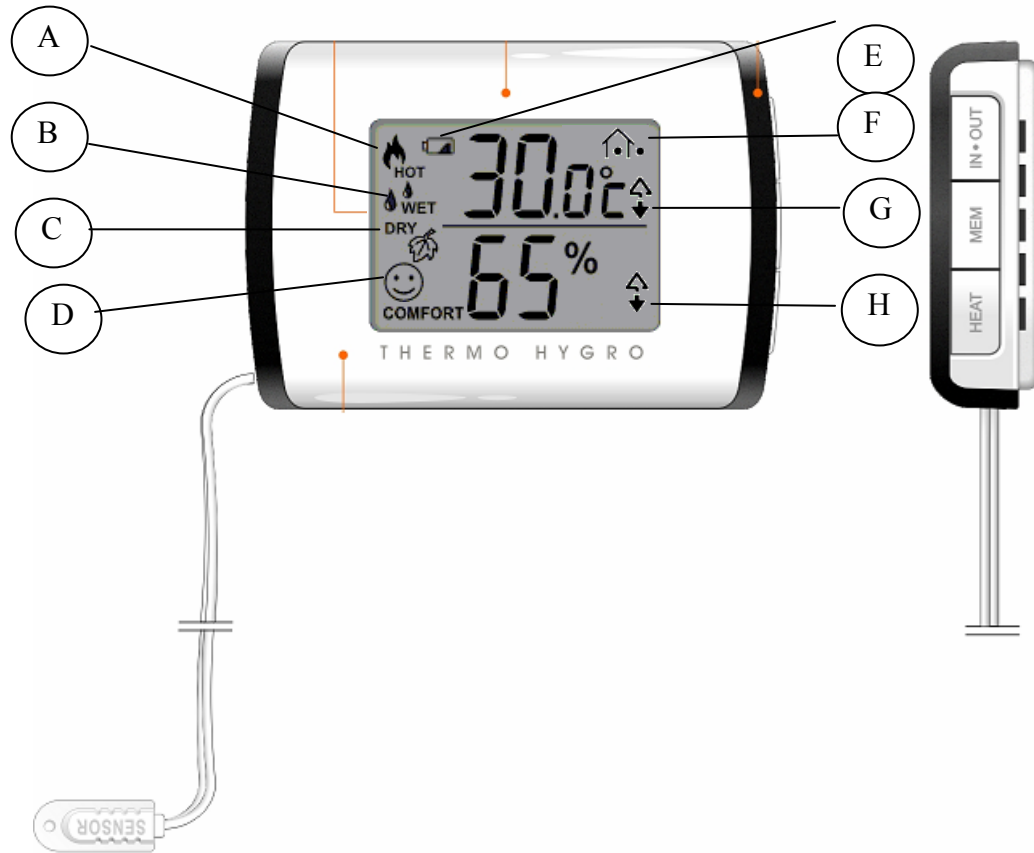
**Indoor Thermo-Hygrometer with external thermo probe**  
**Model: THW301**

**INSTRUCTION MANUAL**

Congratulations on your purchasing of this new Thermo-Hygrometer. This unique product is designed for everyday use for the home or office and is a definite asset of great use. To fully benefit from all the features and understand the correct operation of this product, please read this instruction manual thoroughly.



**FUNCTIONS OF THE THERMO-HYGROMETER**

This thermo-hygrometer measures temperature and humidity of the environment of its surrounding area and measures the outdoor temperature through its external thermo probe.



**FEATURES: MAIN UNIT**

- A. Hot alert icon  
The Hot alert icon will be turned on if the Heat Index is 32C or higher
- B. Wet icon  
The Wet icon will be turned on if the humidity is higher than 70%.
- C. Dry icon  
The Dry icon will be turned on if the humidity is lower than 40%.
- D. Comfort icon  
The comfort icon will be turned on if the humidity is in the range of 40% ~ 70% and temperature is in the range of 20C ~ 25C.
- E. Low battery indicator  
Appears when the battery is running dry and the temperature/humidity measured by this unit is no longer reliable. The user must change the batteries at once.
- F. In/Out temperature indicator

Turn on  icon while the indoor temperature is displayed. Turn on  icon while the external probe temperature is displayed.

- G. Maximum /minimum temperature record  
Indicates the maximum/minimum temperature is displayed.
- H. Maximum /minimum humidity record  
Indicates the maximum/minimum humidity is displayed.

### DESCRIPTION OF BUTTONS

THW301 has 3 major side buttons

1. **[IN-OUT]**  
Press once to toggle the display of the indoor temperature to the probe temperature. Press again to enable the auto-scroll function that will display the indoor temperature and the probe temperature alternately for 5 seconds.
2. **[MEM]**  
Press shortly to toggle for maximum, minimum or current temperature and humidity reading. Press and hold 2 seconds to clear the maximum and minimum records.
3. **[HEAT]**  
Press to toggle the display for indoor humidity and indoor heat index.

C/F slide switch and [RESET] button inside the battery compartment

4. **[C/F]**  
Slide switch to C or F position to select temperature reading in Celsius or Fahrenheit
5. **[RESET]**  
To activate system reset to the main unit during abnormal condition which will reset all settings back to factory values

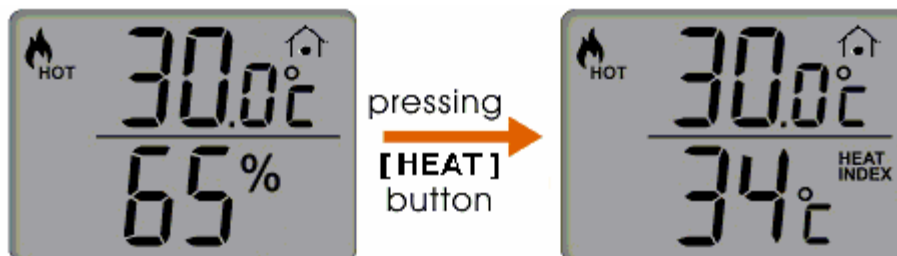
### BATTERY INSTALLATION

1. Remove the battery door;
2. Insert 1 pieces AAA size 1.5V alkaline battery as indicate by the polarity;
3. Close the battery door.

**Note: Replace the battery when the low battery indicator appears on the top corner of the LCD.**

### HEAT INDEX FUNCTION

The heat index is an index that combines air temperature and relative humidity to determine an apparent temperature — how hot it actually feels. The human body normally cools itself by perspiration, or sweating, in which the water in the sweat evaporates and carries heat away from the body. However, when the relative humidity is high, the evaporation rate of water is reduced. This means heat is removed from the body at a lower rate, causing it to retain more heat than it would in dry air. Press [HEAT] button to switch the display from humidity reading to the heat index.



The 'Hot' alert icon will be turned on if the heat Index is 32C or higher. That means there are possible to cause sunstroke, heat cramps, and heat exhaustion if a man continues to expose himself in such environment for a long period.

## Specifications

Displayed **IN** temperature range : -10°C to +60.0°C (14°F to 140.0°F)  
Proposed operating range : 0°C to +50.0°C (32.0°F - 122.0°F)  
Temperature resolution : 0.1°C (0.2°F)  
Displayed Heat Index range : 27C to 59C for temperature from 27°C to 49°C  
and humidity from 25% to 95%  
Displayed Relative Humidity range : 25%RH to 95%RH

External probe temperature measurement

Displayed **OUT** temperature range : -50.0°C to +60.0°C (-58.0°F to 140.0°F)  
Temperature resolution : 0.1°C (0.2°F)

**Batteries : Use 1 pieces UM-4 AAA size 1.5V alkaline battery**