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**HUMIDITY/TEMP.  
METER**

**OPERATION  
MANUAL**



# HUMIDITY/TEMP. METER

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This Humidity/Temperature Meter is small in size, light in weight, easy to carry. Although complex and advanced, it is convenient to use and operate. Its ruggedness will allow many years of use if proper operating techniques are followed. Please read the following instructions carefully and always keep this manual within easy reach.

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### 1. FEATURES

- \* Used the exclusive MICRO-COMPUTER LSI circuit and crystal time base to offer the high accuracy measurement & fast measuring time.
- \* Wide measuring range & high resolution.
- \* Digital display gives exact reading with no guessing or errors.
- \* The last values/max. values/min. values of both Humidity and Temperature will be automatically stored in memory and can be displayed by turn.
- \* The use of durable, long-lasting components, including a strong, light weight ABS-plastic housing assures maintenance free performance for many years. The housing has been carefully shaped to fit comfortably in either hand.

### 2. SPECIFICATIONS

#### 2.1 General Parameters

Display: 10 mm (0.4") LCD( Liquid Crystal Display)  
with function annunciation

Parameters Measured:

Humidity and Temperature

Sampling Time : 0.4 second

Memory: Last values, Max. Values, Min values

Battery : 4x1.5v AA (UM-3) battery

Size: 202x72x37 mm (8x2.8x1.5 inch)

Weight: 300g/0.65 lb (including batteries)

Accessories:

Carrying case..... 1pc.

Operation manual ..... 1pc.

## 2.2 Technical Parameters

Sensor type:

Humidity: Capacitor

Temperature: Resistor

R.H range: 10%~95%

R.H resolution: 0.1%R.H

R.H accuracy:  $\pm 2.5\%$  R.H

Temp. range;  $-10^{\circ}\text{C} \sim 60^{\circ}\text{C}$  ( $14^{\circ}\text{F} \sim 140^{\circ}\text{F}$ )

Temp. resolution:  $0.1^{\circ}\text{C} / 0.1^{\circ}\text{F}$

Temp. accuracy:  $\pm 0.8^{\circ}\text{C}$

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## 3. PRONT PANEL DESCRIPTIONS

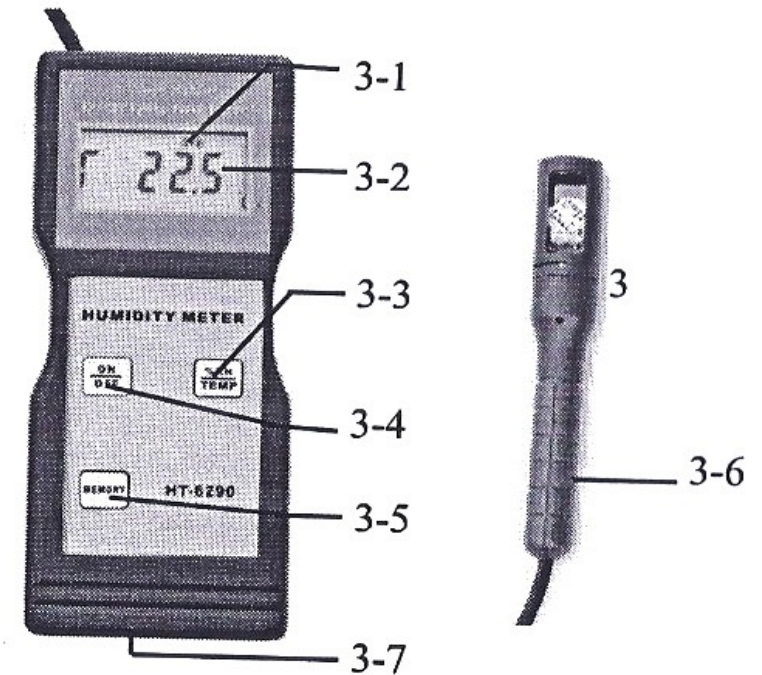


Fig. 1

- 3-1 Measure Indicator
- 3-2 Display
- 3-3 R.H / Temp. Switch
- 3-4 Power Switch
- 3-5 Memory Button
- 3-6 Sensor Cap
- 3-7 Battery Compartment/ Cover



## 4. MEASURING PROCEDURE

### 4.1 Humidity Measurement

- (1) Slide the Power Switch to ON position.
- (2) Slide the R.H/Temp. Switch to "R.H" position.
- (3) The reading on the Display is R.H value.
- (4) It takes minutes to stabilize if the environment is changed.
- (5) Slide the Power Switch to OFF position if completion.

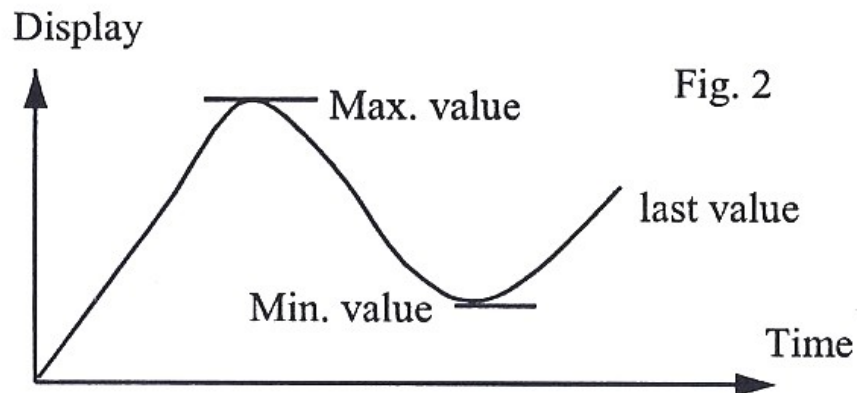
### 4.2 Temperature Measurement

- (1) Slide the Power Switch to ON position.
- (2) Slide the R.H/Temp. Switch to Temp. position.
- (3) The reading on the Display is Temp. value.
- (4) Slide the Power Switch to OFF position if completion.

## 5. MEMORY

5.1 A readout (the last value, max. value, min. Value) obtained immediately before turning off the R.H/Temp. Switch is automatically memorized. For example, Please ref. following fig .2.

5.2 That memorized values are displayed on the indicator by turn if depressing the Memory Button. If the symbol



"max" appears, the readout is the max value. And if the symbol "min" appears, the readout is the min. Value. There is no mark for last value.

5.3 If the letter "H" appears on the Indicator, the memorized values are of Humidity ones. If the letter "T" appears, the memorized values are of Temperature ones.

## 6. BATTERY REPLACEMENT

- 6.1 When it is necessary to replace the battery, i.e. battery voltage less than approx. 5v ,the battery symbol will appear on the Display .
- 6.2 Slide the Battery Cover ( Fig. 1 , 3-6) away from the instrument and remove the batteries.
- 6.3 Install the batteries (4x1. 5v AA/UM -3) correctly into the case.
- 6.4 If the instrument is not to be used for any extended period ,remove batteries.