METRIA

Operation Manual for IN/OUT Temp. & Humidity Meter

Model No. **HC-520**

1 General Description:

HC-520 IN/OUT Temperature & Humidity Meter is characterized as:

* multi-function
* low power consumption
* high stability & accuracy
* memory of last measuring value

2 Features:

* INDOOR and OUTDOOR temperature measuring
* display temperature and humidity simultaneously
* MIN and MAX value recording
* Comfortable degree symbol
* ℃/℉ unit selectable
* Desk-top placing or Wall Hanging

3 Specification:

* **Temperature range:**
  IN side temperature: -10~+50℃（+14~+122℉）
  OUT side temperature: -50~+70℃（-58~+158℉）
* **humidity range:** 20%~99%RH
* **resolution:**
  temperature: 0.1℃ (0.1F)
  humidity: 1% RH
* **accuracy:**
  temperature: ±1℃（-20~60℃），±2℃（other）
  humidity: ±5%RH (20%~99%，at 25℃）
* **power supply:** 1.5V (AAA size) x 1
* **product dimension:** 78 x 98 x 17 mm
* **weight:** Approx. 95g
* **storage condition:** -20℃~60℃, 20~80%RH

4 Button function:

* Push 'IN-OUT' button to select to show INSIDE or OUTSIDE temperature (IN or OUT will be indicated on LCD screen)
* Push 'MAX-MIN' button to show recorded MAXIMUM or MINIMUM temperature and humidity value (MAX or MIN will be indicated on LCD screen)
* Push '℃/℉' button to change temperature display unit
* Push 'RESET' button to make all set and recorded values to the original ones

5 Operation:

5-1 Install battery and start the meter

[a] take off the battery cover according to the arrow indicated on it

[b] install 2 x 1.5 VV (AAA size) battery strictly according to the NEGATIVE and POSITIVE symbol indicated inside the battery compartment

[c] push on the battery cover, the meter then starts to work

5-2 INSIDE and OUTSIDE house temperature measuring

[a] Push the sensor wire plug into the socket under battery cover and place the sensor out of the house

[b] push 'IN-OUT' button to select to show INSIDE or OUTSIDE temperature (IN or OUT will be indicated on the left side of TEMP. value)

Note:

[a] This meter can only measure INSIDE house humidity (IN is always shows above the humidity unit symbol %)

[b] If the sensor wire for OUTSIDE temperature is not installed to this meter, the meter can only show INSIDE temperature

5-3 Environmental Comfort Status Indicating

The meter can automatically indicating Environmental Comfort Status basing on the humidity and temperature value it measures, it will indicates 3 kinds status according to the below chart:

Symbol Indicated for Comfort Status	temperature	humidity	meaning
COM	20~25℃ (68~77%℉)	40%~70% RH	comfortable
WET		>70% RH	wet
DRY		<40% RH	dry
No Symbol	>25℃(77℉) <20℃(68℉)	40%~70%RH	Not comfortable scope (Humidity 40~70%)

6. CAUTIONS:

* **Please do not use this meter under strong vibration or high temperature and bad weather condition**
* **Please do not use this meter by AC power**
* **Please do not use OLD and NEW battery simultaneously.**
* **Please do not put the sensor wire in condition of temperature over 70℃**
* **To protect environment, please put the used battery in the places Government indicates.**