

## High Accuracy Industrial Handheld Hygro-Thermometer (Product code 25.2.1)



### Model Wise Description:

Sr.No	Model	Product Description
25.2.1	HTM-22	Digital Hygro - Thermometer for industrial use

### Description:

Libratherm offers Precision Industrial Portable Hygro-Thermometer (Model HTM-22), which is designed using the latest low power, high speed microcontroller for accurate measurement of Temperature and Relative Humidity. It is an indispensable tool in the industry for cross checking the atmospheric T + Rh. It can be easily carried by field engineers to carry out measurement at critical areas.

Single instrument can be used for both Temperature and Humidity, the display shows the reading one at a time with respective unit of measurement at a regular switching interval of 5 seconds. The switching can be paused by pressing oC / %Rh membrane key in the front.

Other useful features allows user to record maximum and minimum T + Rh, freeze or Hold the measured reading and select the unit of measurement either in °C or %.

White Back lit LCD to read the display in the dark area. Serial interface is optionally available for logging the data on to the PC using RS232 adapter. HTM-22 works on single 9V battery or on external 9V adapter.

## Application:

- ◆ To measure the T + Rh in computer server room, laboratory, AHU ducts, Stability chamber, cold storage, Incubators, Ware houses, green houses, etc...

## Technical Specifications:

<b>T + Rh Sensor /Probe</b>	Hygroclip CP (T + Rh) from Rotronic-Swiss (L=200 mm) with 1 meter extension cable and abonite / PVC handle for strong grip
<b>Temp. Measuring Range</b>	-40.0 to +60.0°C, -20.0 to 80.0°C or 0.0 to 100.0°C
<b>%Rh Measuring Range</b>	0.0 to 100.0 %Rh
<b>Accuracy</b>	±0.1°C for temperature and +/-2% for %Rh
<b>Resolution</b>	0.1°C / %Rh
<b>Display</b>	4 Digit, 0.5" height, 7 segment numeric LCD
<b>Display Scan Rate</b>	Every 5 seconds for T and Rh (Can be paused by key press)
<b>Soft Touch Key pad</b>	For °C / %Rh / Max / Min / Hold / Clear / Back Lit Functions
<b>Battery</b>	Single 9 volts dry cell or 9V /100mA adaptor (External)
<b>Serial Interface (Optional)</b>	RS232 port for PC interface with additional adaptor (available as additional accessory)
<b>Key Sound</b>	Miniature beeper – sounds on Key press
<b>Over range indication</b>	Provided.
<b>Low Battery indication</b>	Provided.
<b>Size</b>	150(H) x 82(W) x 35 (D) mm.
<b>Weight</b>	200 gms approx.
<b>Enclosure</b>	ABS Plastic body with polycarbonate front and membrane keyboard.

## Ordering Code:

MODEL	Product Description
HTM-22-60	Hygro -Thermometer with -40.0 to 60.0°C / 0.0 to 100.0 %Rh
HTM-22-80	Hygro -Thermometer with -20.0 to 80.0°C / 0.0 to 100.0 %Rh
HTM-22-100	Hygro -Thermometer with 0.0 to 100.0°C / 0.0 to 100.0 %Rh