

# HUMIDITY AND TEMPERATURE DATA LOGGER USING USB FLASH PEN DRIVE

## Features:

- Data saved directly on USB Pen drive in an MS Excel compatible file
- Separate displays for humidity and temperature
- Capacitive sensor (Dry/Wet available on request) for humidity and PT100 sensor for temperature
- Rate of logging settable by user in Mins:Secs
- Internal Real Time Clock with battery backup for saving values along with Date and Time
- No need of any complicated or additional software for managing data
- Saving data on Pen drive allows a very large amount of storage space at very low cost.



## Specifications

- Display : 0.56" Red LED display for Humidity  
0.56" Red LED display for Temperature
- Display Range : 0-100.0% for Relative Humidity and 0-100.0°C for Temperature
- Resolution : 0.1% for Relative Humidity and 0.1°C for Temperature
- Logging Rate : 1 second to 99Mins59seconds
- Data Logging : Directly create a .csv file on the Pen Drive (compatible with Excel) giving a tabular format values of Date, Time, Humidity and Temperature
- Sensor : Capacitive for Humidity (Dry/Wet sensor also available on request)  
PT100 sensor for Temperature
- Real Time Clock: Adjustable Calendar (Month/Date) and Time (Hrs:Mins)
- Accuracy :  $\pm 2\% \pm 1$  Least Significant Digit for Humidity (for capacitive sensor version)  
 $\pm 0.2^\circ\text{C} \pm 1$  Least Significant Digit for Temperature
- Power Supply : 230V AC  $\pm 15\%$  at 50/60Hz
- Mounting Type: Panel Type
- Front Facia : 96mm x 96mm

The format of the data saved opened in Excel is as follows:

HUMIDITY & TEMPERATURE LOGGER			
Start Date-16/04			
Start Time-17:41:48			
DATE	TIME	HUMIDITY	TEMP
Dt/Mn	Hr:Min:Sec	%RH	degC
16/04	17:41:48	17.2	35.6
16/04	17:41:58	17.1	35.5
16/04	17:42:11	17.2	35.5
16/04	17:42:21	17.2	35.5