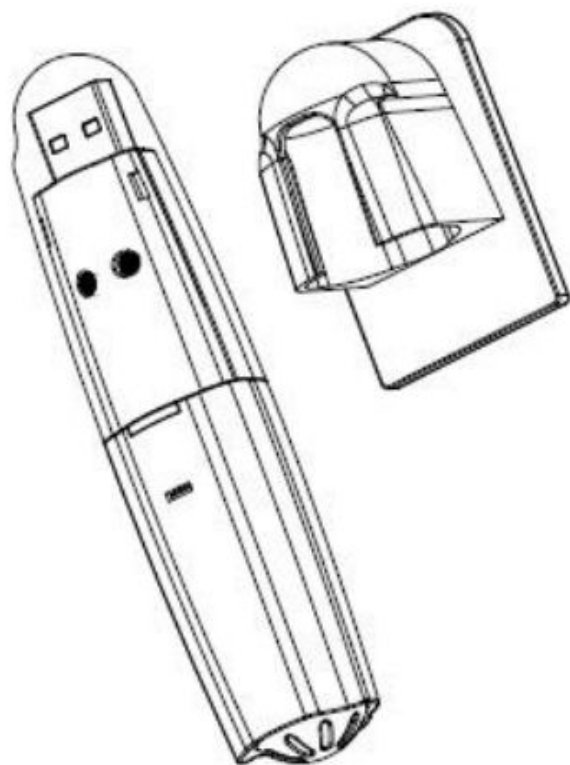




TH0160 - Temperature and humidity data logger User manual



Product Registration URL :

<https://www.perfect-prime.com/>

Product Introduction / Features

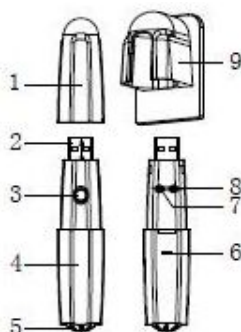
1. Temperature and humidity measurement and data logger
2. USB connection to PC for data upload / analytic and storage
3. PC software provide data export function
4. Programmable record interval in either second ; minute or hour intervals
5. Programmable total record number, up to 21,000 records maximum
7. Programmable alarm function for temperature and humidity
8. Low power consumption for long operating duration

Specifications and parameters

Temperature measurement range	-40°C ~ 105°C (-40°F ~ 221°F)
Temperature measurement accuracy	±0.3°C (±0.54°F)
Temperature display resolution	0.1°C (0.1°F)
Humidity measurement range	0% RH ~ 100% RH
Humidity measurement accuracy	±3% RH
Humidity display resolution	0.1% RH
Operating Temperature	-40°C ~ 105°C (-40°F ~ 221°F)
Storage Temperature	-40°C ~ 125°C (-40°F ~ 257°F)
Size	106x24x24mm
Weight	25g (no battery)
Battery	3.6V

Description

1. Lid
2. USB interface
3. Switch
4. Battery cover
5. Sensor
6. Card clasp (press it, open the battery cover)
7. Alarm lamp (red/yellow)
8. Record lamp (green)
9. Product key

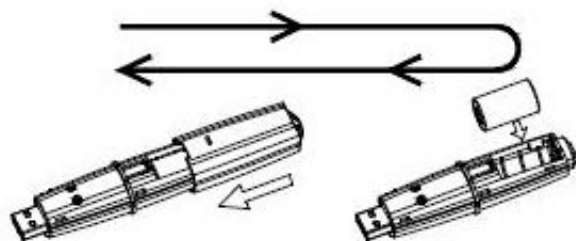


Preparation for Operation :

Install 3.6V Lithium battery as below for both data logging and connection to PC USB operations.



1. Press the plastic clipping position and pull out the battery cover
2. Insert the battery with the positive terminal facing the USB connector side



3. Install back the battery cover

The LED light :

1. Green light : Flashing indicating working condition
2. Red and yellow lights : Flashing indicating measured data is over preset alarm values

LED Indication Summary

Usage scenarios	Green lamp	Red lamp	Yellow lamp
Installing battery	flash 3 times	flash 3t	flash 3t
Start measuring	quick flash 2t		
USB communication	quick flash 1t		
Recording data interval time	slow flash 2t quick flash 1t		
Low temperature alarm		flash 1t	
High temperature alarm		quick flash 2t	slow flash 1t
Low humidity alarm			
High humidity alarm			quick flash 2t

PC Software for Parameter Setting

Install battery to data logger for operation as described above. Install and start PC software on Windows PC computer, plug the data logger to PC's USB port and it should be recognized by the software.

On "communication" Menu of PC software, program the data logger's operating parameters (Internal, alarm value, maximum record etc.)

For details of PC software's features and function, refer to "Help" menu, press this button and the complete and detail communication Tool Guide would be displayed for user reference.

About the set of products, please refer to : *Help document of communication software.*