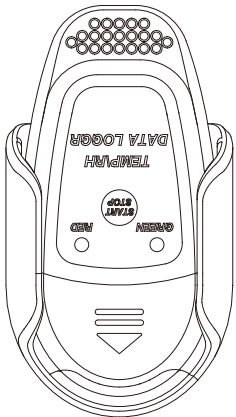


# 温度/湿度数据记录仪



## 1. 应用场合

本仪表采用高精度数字温湿度传感器。具有精度高、速度快、稳定性好等特点。适用于对环境温度、湿度的数据采集和记录。广泛应用于室内测温、仓库管理、物流运输、通讯机房、智能楼宇、地铁、商场、图书馆等场所和场合。

## 2. 特征

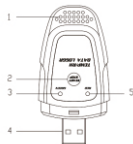
- > 具有高精度和高反应速度
- > 单位：℃/°F
- > 最大、最小值平均值、MKT值
- > 分辨率 0.1%RH, 0.1℃
- > 直接生成PDF数据表和曲线示意图功能
- > 根据设置限值，记录数据超过限值后数据表以不同颜色标示
- > 数据存储 16384个数据（8192组）
- > 采样间隔：10秒至12小时可设置
- > 手动、立即、定时多种开启方式
- > 灯光报警功能

## 3. 技术指标

湿度	量程	0 ~ 100%RH
	精度	35 ~ 80%RH:±3.0%RH 其它：±5%RH
温度	量程	-30℃ ~ 70℃/-22°F ~ 158°F
	精度	-10℃ ~ 70℃：±0.5℃/±0.9°F -30℃ ~ -10℃：±0.8℃/±1.5°F

## 4. 面板描述

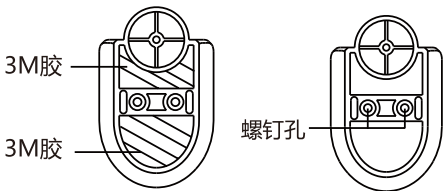
1. 温湿度传感器
2. 开始/停止按键
3. 记录指示LED
4. USB接口
5. 温湿度报警指示LED



## 5. 支架固定

(1).3M胶贴固定：

(2).膨胀螺钉固定：



撕掉3M胶膜后  
贴在平整光滑的位置

使用膨胀螺钉把  
支架牢牢固定

## 6. 使用说明

★在操作前，请先把仪器插上电脑USB口，并把内存中的APP压缩文件拷贝到电脑本地硬盘中，否则可能造成设置APP软件的丢失！

- (1). 把CR2032型纽扣电池装入电池仓，电池正极朝外并固定好电池盖。
- (2). 把仪表与PC机的USB口连接好
- (3). 打开专用的上位机设置软件
- (4). 根据需要设置记录信息
- (5). 拔出设备
- (6). 按键操作及状态指示

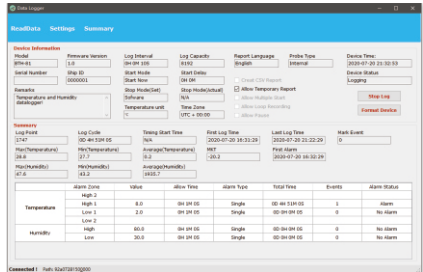
长按(5秒): 开始/停止	开始		停止	
	绿灯闪5次		红灯闪5次	
单击: 查看状态	没开始		记录中	停止
	红灯、绿灯同时闪1次	无告警: 绿灯闪1次 告警: 红灯闪1次	无告警: 绿灯闪2次 告警: 红灯闪2次	
双击: 查看电量	电量正常			电量低
	绿灯闪3次			红灯闪3次
无按键操作:	没开始		记录中	停止
	/		无告警: 绿灯10秒闪1次 告警: 红灯10秒闪1次	/

- (7). 记录完成或者需要查看报告时,把设备插入PC的USB接口,这时设备上的红灯、绿灯交替闪烁，表示设备正在生成PDF报告，报告生成最长可能持续3分钟，中途不可拔出设备；报告生成后，红灯、绿灯同时亮起，PC上可识别到USB设备并且产生一个“DATA LOG”盘符；
- (8). 打开"DATA LOG"盘符中的PDF文件，查阅记录报告；
- (9). 设备停止记录后,只能通过上位机软件再次设置后才能再次使用；
- (10). 电池电压低于2.7V时开始开始低电量报警，低于2.4V时将自动停止记录

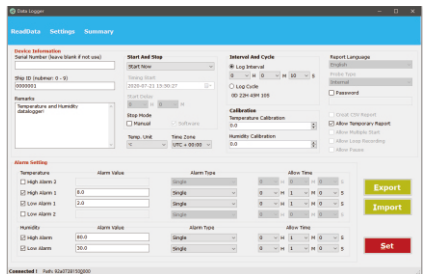
【注意】：当开启新的记录后，仪表所有已经记录的数据将全部被清除。请注意下载并保存数据后再进行开启记录模式。长时间不使用的情况下，请取下电池。如果需要测量温度低于-20℃/-4°F的环境，更换电池请选择能在-40℃/°F温度下正常工作的电池。

## 7. 上位机介绍

- (1). 设备插入PC，打开上位机软件，会自动读取设备中的设置信息及记录信息，也可以单击菜单中的“ReadData”来手动读取设备信息，界面如下图：

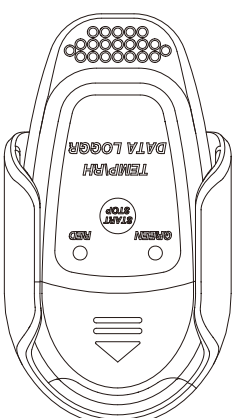


- (2). 单击菜单中的“Settings”开始设置（灰色选项为不可设置）



Serial Number: 设备序列号；  
Ship ID: 行程编码；  
Remarks: 行程描述；  
Start And Stop: 开始和停止记录设置  
可设置为立即开始、定时开始和手动开始3种开始模式；  
Start Delay: 启动延时  
Stop Mode: 停止模式选择，如果勾选“Manual”则能手动按键停止，否则按键停止无效  
Temp. Unit: 温度单位选择  
Time Zone: 时区选择  
Interval And Cycle: 记录间隔设置，可直接设置记录间隔，也可选择记录周期，自动计算间隔；  
Calibration: 温湿度校准/偏移设置  
Password: PDF报告密码设置，如果设置了密码，PDF报告必须输入相应的密码才能打开；  
Allow Temporary Report: 允许临时报告，使能后设备记录过程中每次插入PC时，将生成临时PDF报告，而不会停止记录；  
Alarm Setting: 温湿度报警设置，温度支持两组上下限设置；  
Export: 导出配置信息；  
Import: 导入配置信息；  
Set: 下载设置到设备中

# TEMP/RH DATA LOGGR



## 1. Application

The instrument is provided with a high-accuracy digital humidity & temperature sensor, and is characterized by high accuracy, fast speed and good stability, etc. It is used to acquire and record ambient temperature and humidity. In addition, it is widely applied for/in indoor temperature measurement, warehouse management, logistics transportation, communication rooms, intelligent buildings, subways, shopping malls, libraries and other places.

## 2. Characteristics

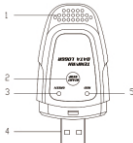
- > High accuracy and fast response speed
- > Unit: °C/°F
- > Support maximum, minimum, average, MKT value
- > Resolution: 0.1%RH, 0.1℃
- > Directly generating PDF datasheets and curve diagrams
- > Multiple alarm values and multiple alarm modes can be set
- > Marking the datasheets in different colors when recorded data exceed the limits according to limit setup
- > Data storage of 16,384 data (8,192 sets)
- > Sampling interval of 10 seconds to 12 hours
- > Manual, immediate and timing start
- > Light alarm

## 3. Technical Index

Humidity	Range	0 ~ 100%RH
	Accuracy	35 ~ 80%RH:±3.0%RH Others: ±5%RH
Temperature	Range	-30℃ ~ 70℃/-22°F ~ 158°F
	Accuracy	-10℃ ~ 70℃：±0.5℃/±0.9°F -30℃ ~ -10℃：±0.8℃/±1.5°F

## 4. Panel Description

- (1) Temperature & humidity sensor
- (2) Start/stop key
- (3) Recording LED
- (4) USB interface
- (5) Temperature and humidity alarm LED



## 5. Fixing of support

(1) Fixing of 3M glue stick:

(2)Fix expansion screws:



Stick a torn-off 3M glue film at a  
flat and smooth position

Firmly fix the support with  
expansion screws

## 6. Instructions

★Before operation, insert the instrument into the computer USB interface, and copy APP compressed files from the memory into the local hard drive of the computer so as to avoid possible loss of APP software!

- (1). Install a CR2032 button battery into the battery compartment, keep the positive pole of the battery outward and fix the battery cover.
- (2). Connect the instrument to the USB interface of the PC computer.
- (3). Open the dedicated PC setting software
- (4). Set the recording mode as required
- (5). Pull out the instrument
- (6). Button operation and status indication.

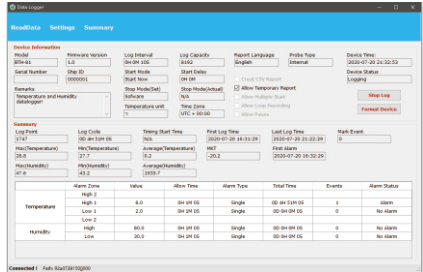
Hold(S): Start/Stop	Start Green LED blinks 5 times	Stop Red LED blinks 5 times	
Click: Check Status	No Start Red and Green LED blinks 1 time	Recording No Alarm: Green LED blinks 1 time Alarm: Red LED blinks 1 time	Stop No Alarm: Green LED blinks 2 times Alarm: Red LED blinks 2 times
Double Click: Check Battery	Battery OK Green LED blinks 3 times		Low Battery Red LED blinks 3 times
No Operation:	No Start /	Recording No Alarm: Green LED blinks 1 time every 10s Alarm: Red LED blinks 1 time every 10s	Stop /

- (7). When the data recording is complete, or see the report, connect the device with the USB port of the PC. It is the red and green lights on the device flash alternately that means the device is generating a PDF report. The report generation may last for up to 3 minutes, do not pull out the device during the generation; The red and green lights are lighted up at the same time means that the report is generated, the USB device can be recognized on the PC and named as the "DATA LOG".
- (8). Open the PDF file in the "DATA LOG" drive letter and check the record report.
- (9). After the device stop recording, it can only reused after it is set again through the upper computer software;
- (10). If the battery voltage is lower than 2.7V, the low battery alarm alarm sound, and the recording will be automatically stopped when the battery voltage is lower than 2.4V;

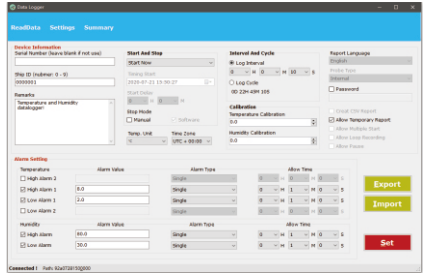
[Note]: When the recording mode is enabled again, all data recorded by the instrument will be cleared. Please enable the recording mode after downloading and saving data. Please remove the battery during long periods of non-use. If it is necessary to measure the temperature at -20℃/-4°F, replace the battery and select a battery which normally works at -40℃/°F.

## 7. Master computer

- (1). Insert the device into the PC, open the host computer software, it will automatically read the setting information and record informationin the device, or you can click "ReadData" in the menu to manually read the device information, the interface is as shown below:



- (2). Click "Settings" in the menu to start setting (the gray option is not settable)



**Device Information:** Set device and route information, leave it blank if not used  
**Serial Number:** Device serial number;  
**Ship ID:** route code;  
**Remarks:** route description;  
**Start And Stop:** start and stop recordingIt can be set to 3 modes: immediate start, timing start and manual start;  
**Start Delay:** Delay Start  
**Stop Mode:** Stop mode selection, if you choose the "Manual", you can manually stop it by pressing the key, otherwise the manual key stop function is invalid  
**Temp. Unit:** Temperature unit selection  
**Time Zone:** Time zone selection  
**Interval And Cycle:** Recording interval setting, you can directly set the recording interval, you can also select the recording cycle, automatically calculate the interval;  
**Calibration:** temperature and humidity calibration/offset setting  
**Password:** PDF report password setting, if a password is set, you must input the correctpassword to open the the PDF report;  
Allow Temporary Report: Allow temporary reports.  
When it is enabled, every timethe device connected to the PC to record, a temporary PDF report will be generated without stopping the recording;  
**Alarm Setting:** temperature and humidity alarm settings, temperature supports upperand lower limit settings;  
**Export:** Export configuration information;  
**Import:** Import configuration information;  
**Set:** Download settings to the device