

物联网温度记录仪

IoT Temperature Logger

用户使用手册

operation instructions



产品应用领域

生物医药	疾控/疫苗	医疗器械	食品行业	现代农业	冷链物流
生物实验室	疫苗接种中心	冰箱温度监控	食品冷库	农产品储运	冷链运输
药品冷库	疫苗储存冷库	实验室	冻品/生鲜运输	农业科研	冷链仓储
阴凉库	便携式运输箱	计量室	速冻库	温室大棚	

技术数据

类型	重复性&可充电
测量范围	-200°C~ 100°C(-328°F ~212°F)
传感器	RTD
温度精度	±0.5°C(-20°C~40°C)±1°C(其他范围)
存储容量	24000条数据
使用时间	≥30天, (25°C) 上报间隔:10min
定位	支持远程数据上传、基站定位+WiFi Scan辅助定位
蓝牙打印功能	支持蓝牙打印
电池	3.7V锂电池(不可更换)

特点



1、外观说明



按键说明

- ▲ 向上选择/打印
- ▼ 向下选择/记录
- 开机/开确认
- 菜单

- 外置探头
- 打印
- 记录
- LED指示灯
- 主界面
- 开机/确认
- 菜单
- 序列号

2、主界面说明

顶部状态栏(从左到右)	中部数据区(从左到右)	底部时间栏
• R: 开始记录的状态指示 • 电池电量 百分比显示 • 信号强度 0~4格信号 • 飞行模式 图标显示	• 温度图标 • 温度 当前温度值(°C) • 记录数LOG: 已记录的数据条数	• 日期: 当前日期(年-月-日) • 时间: 当前时间(几点几分)

3、手动操作说明

开机

- 在主界面长按“O”键3秒开机

开始记录

- 在主界面“菜单”按键
- 使用“▲”“▼”键选择开始记录
- 按“确认”键确认
- 在确认对话框中, 使用“▲”“▼”键选择确认
- 按“确认”键开始记录 (绿灯闪烁一次, 设备响三声)
- 主界面状态栏显示“R”表示正在记录

注: 可以在主界面长按“▼”键进行开始记录。

结束记录

- 在主界面“菜单”按键
- 使用“▲”“▼”键选择结束记录
- 按“确认”键确认
- 在确认对话框中, 使用“▲”“▼”键选择确认
- 按“确认”键开始记录
- 主界面状态栏“R”图标不在表示结束记录

注: 可以在主界面长按“▼”键进行结束记录。

查看系统信息

- 在主界面按“菜单”键
- 选择“系统信息”并按“确认”键
- 使用“▲”“▼”键翻页查看 (共5页)
- 开始日期、时间、温度; 结束日期、时间、温度
- 最高温度、最低温度
- 温度上限、温度下限
- 记录间隔、上报间隔、采集条数、上报条数
- 设备信息 (ID: 设备序列号、SM、VER: 设备当前版本)
- 按“菜单”键返回主界面

清除数据

- 在主界面按“菜单”键
- 选择“清除操作”并按“确认”键
- 选择“清除数据”并按“确认”键
- 在确认对话框中选择确认并按“确认”键
- 系统将清除所有存储的记录数据
- 按“菜单”键返回菜单, 再按“菜单”键返回主界面

注: 此操作将删除所有记录数据, 无法恢复! 但是平台上所有记录不会删除!

4、平台使用说明

为了更好的体验ELOG-C200无线温度记录仪的实时监控(温度、位置、轨迹信息)、实时报警等服务, 请先登陆“云平台”官网<https://wx.seven-ms.cn/tms/login>注册您的企业管理员账户, 并把设备ID添加到您的旗下。



参数设置

参数修改可以在云平台中的“设备设置”页面进行, 可修改内容:

- 设备状态: 开始记录、结束记录, 蓝牙打印、菜单。
- 记录间隔、上传间隔
- 温度上限、温度下限

可以在云平台中的“报警管理”页面进行, 可修改内容:

- 报警阈值、报警接收人
- 触发报警可以通过邮箱、手机短信方式提醒给接收人

可以在云平台中的“报告导出”页面进行, 可修改内容:

- 报告的开始时间、结束时间
- 导出格式: PDF、Excel、CSV
- 时间间隔: 导出的报告上, 生成数据记录的时间间隔
- 阈值设置

运输

启动设备, 设备投入货物中, 或将温度探头投入货物中, 即可开始运输。

5、全程监控

无论是否对设备进行参数配置, 都可以在云平台全程监控设备的温湿度、当前所在位置、运行轨迹、接收报警信息。

- 当设备超温后, 云平台将立刻以邮件或者短信的方式发送给预设好的人员, 及时处理超温事件。
- 设备将关闭
- 当设备达到预设地点区域, 云平台将立刻以邮件或者短信的方式发送给预设好的人员, 准备收货、中转、检验等。
- 当设备达到预设位置(机场)后, 云平台将通知设备, 自动进入飞行模式。



6、读取报告

- 整个运输过程中的数据将会被保存在云平台上, 可随时在云中查询所需设备序列号的数据报告。停止记录后, 设备自动生成 PDF 报告。
- 下载数据, 连接数据记录仪至计算机USB接口, 记录仪自动生成PDF数据报告至计算机。

7、注意事项

使用记录仪之前请仔细阅读以下注意事项:

- 当设备无数据上传时, 请确认设备是否处于工作状态或设备是否有电、有无信号。
- 请在设备温度测量及工作范围内使用本设备。
- 请勿使用外力冲击本设备。
- 请勿擅自拆卸本设备, 设备需远离明火。
- 请勿将设备浸泡在液体中, 以及对设备进行长时间冲洗。

8、质保

米谷技术承诺产品自销售之日起保质期为壹年, 在保质期内由于产品本身部件或工艺质量缺陷引起的问题, 请及时通知我们。

质量保证: 如遇仪器无法正常运行、操作不当或不慎使用方法的情况, 及时联系售后团队, 售后团队在接到通知后尽快给予答复。公司内部设有专业的技术支持团队, 随时通过微信、电话、邮件等方式解答管理用户的咨询。

质保期限: 产品在正常使用下免费质保一年, 由人为原因损坏不在免费质保范围内。

蓝牙打印: 红灯闪烁

- 在主界面按“菜单”键
- 选择“蓝牙打印”并按“确认”键
- 在确认对话框中选择确认并按“确认”键
- 设备将通过蓝牙发送数据到打印机
- 按“菜单”键返回菜单

注: 可以在主界面长按“▲”键进行蓝牙打印。

飞行模式

- 在主界面按“菜单”键
- 选择“进入飞行模式”或“退出飞行模式”
- 按“确认”键确认
- 在确认对话框中选择确认并按“确认”键
- 顶部状态栏显示“飞行模式”图标 (进入飞行模式显示飞行图标, 退出飞行模式“飞行”图标不显示)

注: 飞行模式下记录中, 记录的条数不会上传到平台, 退出飞行模式才会上传/补发记录的数据。

系统重启

- 在主界面按“菜单”键
- 选择“重启”并按“确认”键
- 在确认对话框中选择确认并按“确认”键
- 设备将自动重启

注: 按完重启按键(红灯闪烁同时闪一次); 开机时(红灯闪烁同时闪两次)。

查看报警信息

- 在主界面按“菜单”键
- 选择“报警信息”并按“确认”键
- 使用“▲”“▼”键翻页查看 (共2页): 报警(温度高/低)
- 累计时间(格式: **S)
- 报警次数
- 按“菜单”键返回主界面

关机

- 在主界面按“菜单”键
- 选择“关机”并按“确认”键
- 在确认对话框中选择确认并按“确认”键
- 设备将关闭
- 长按确认键进行开机

注: 可以在主界面长按“确认”键进行关机。

充电: 充电过程中红绿灯一直闪烁。



6. Read Report

- Cloud Storage: Data during the entire shipment is saved on the cloud platform and can be searched by device serial number at any time. Once recording stops, the device auto-generates a PDF report.
- Local Download: Connect the data logger to a PC via USB; the device will automatically generate a PDF data report onto the computer.

7. Precautions

Please read the following carefully before

- If the device fails to upload data, please verify if the device is in working status, has sufficient battery, and has network signal.
- Please use the device within its specified temperature measurement and operating range.
- Do not subject the device to external impact or force.
- Do not disassemble the device yourself. Keep it away from fire.
- Do not submerge the device in liquid, and do not wash the device for extended periods.

8. Warranty

MESAVSS Technology guarantees a one-year warranty starting from the date of sale. Please notify us promptly of any problems caused by defects in product components or manufacturing quality within the warranty period.

Quality Assurance: If you encounter equipment failure, operational errors, or usage questions, please contact our after-sales team. We have a dedicated professional technical support team ready to assist users via WeChat, phone, or email at any time.

Warranty Period: Free one-year warranty under normal use. Damage caused by human factors is not covered under the free warranty.

4. Cloud Platform Usage

For a better experience with real-time monitoring (temperature, location, trajectory) and instant alarms of the ELOG-C200 wireless temperature logger, please log into our Cloud Platform at <https://wx.seven-ms.cn/tms/login> to register a corporate admin account and add your device ID.



Parameter Settings

Parameters can be modified on the "Device Settings" page of the cloud platform. Modifiable items include:

- Device Status: Start recording, Stop recording, Bluetooth print, Menu.
- Record Interval, Upload Interval.
- Temperature Upper/Lower Limits.



Alarms can be configured on the "Alarm Management" page:

- Alarm Thresholds, Alarm Receivers.
- Triggers email or SMS notifications to receivers.

Reports can be exported on the "Report Export" page:

- Report: Start/End Time.
- Export Formats: PDF, Excel, CSV.
- Time Interval: The interval for data records on the exported report.
- Threshold Settings.



Transportation

Power on the device and place it (or insert the temperature probe) into the cargo to start transportation.

5. Full-Journey Monitoring

Regardless of whether device parameters are configured, the cloud platform automatically monitors temperature, current location, trajectory, and alarm info throughout the journey.

- Temperature Excursion: The platform instantly sends emails or SMS to designated personnel for timely intervention.
- Geo-fencing: When the device reaches preset locations, the platform instantly sends emails/SMS to designated personnel to prepare for receiving, transit, or inspection.
- Auto Flight Mode: When the device arrives at preset locations (e.g., airports), the cloud platform will notify the device to automatically enter Flight Mode.

2. Main Interface Description

Top Status Bar (From left to right)

- R: Recording status indicator
- Battery Level: Displayed in percentage
- Signal Strength: 5-4 bars
- Flight Mode: Icon displayed when active

Middle Data Area (From left to right)

- Temperature Icon
- Temperature: Current temperature value (°C)
- Record Count (LOG): Number of recorded readings

Bottom Time Bar

- Date: Current date (YYYY-MM-DD)
- Time: Current time (HH:MM)

3. Manual Operation Instructions

Power On

- Long press the "0" button for 3 seconds on the main interface.

Start Recording

- Press the "Menu" button on the main interface.
- Use "▲", "▼" to select "Start Recording".
- Press "OK" to confirm.
- Use "▲", "▼" to select "Confirm" in the dialog box.
- Press "OK" to start recording (Green light flashes once, device beeps 3 times).
- The "R" icon will appear on the main interface. Note: Long press the "▼" button on the main interface to start recording.

Stop Recording

- Press the "Menu" button.
- Use "▲", "▼" to select "Stop Recording".
- Press "OK", then select "Confirm" in the dialog box using "▲", "▼".
- Press "OK" to stop.
- The "R" icon will disappear from the main interface. Note: Long press the "▼" button on the main interface to stop.

View System Info

- Press "Menu", select "System Info", and press "OK".
- Use "▲", "▼" to turn pages (5 pages total): Start Date/Time/Temp; End Date/Time/Temp; Max/Min Temp; Temp Upper/Lower Limits; Record Interval/Upload Interval/Record Count/Upload Count; Device Info (ID, SIM, VER).
- Press "Menu" to return to the main interface.

Clear Data

- Press "Menu", select "Advanced Operations" and press "OK".
- Select "Clear Data", press "OK", and select "Confirm" in the dialog box.
- The system will erase all stored record data. Press "Menu" to return. Note: This action will permanently delete all records on the device and is unrecoverable! However, records already uploaded to the cloud platform will not be deleted.

Bluetooth Printing

- Press "Menu", select "Bluetooth Print", press "OK", and confirm.
- The device will send data to the printer via Bluetooth. Note: Long press "▲" on the main interface to initiate Bluetooth printing.

Flight Mode

- Press "Menu", select "Enter Flight Mode" or "Exit Flight Mode", press "OK", and confirm.
- The flight mode icon will appear on the top status bar. Note: During Flight Mode, the device continues to record data but will NOT upload it to the platform. Data will be synced/uploaded only after exiting Flight Mode.

System Reboot

- Press "Menu", select "Reboot", press "OK", and confirm. Note: During reboot, red and green lights flash simultaneously once; upon power-on, they flash simultaneously twice.

View Alarm Info

- Press "Menu", select "Alarm Info", press "OK".
- Use "▲", "▼" to flip through pages (2 pages): Alarm type (High/Low), Accumulated time (Format: **S), Alarm count.

Power Off

- Press "Menu", select "Power Off", press "OK", and confirm. Note: Long press the "0" button on the main interface.

Charging Status: The red and green lights will flash continuously while charging.

Product Applications

Biopharmaceuticals Disease control/vaccine Medical devices		
Biological laboratories Pharmaceutical Cold Storage Cool Storage	Vaccination centers Vaccine Cold Storage Portable Transport Box	Refrigerator temperature monitoring Laboratory Metrology room
Food industry Modern agriculture Cold chain logistics		
Food cold storage Frozen/Fresh Goods Transportation Blast freezer	Agricultural Products Storage and Transportation Agricultural research Greenhouses	Cold chain transportation Cold chain warehousing

Technical Data

Type	Reusable & Rechargeable
Measurement Range	-200°C - 100°C (-328°F - 212°F)
Sensor	RTD
Accuracy	±0.5°C (-20°C - 40°C); ±1°C (Other ranges)
Storage Capacity	24,000 readings
Operating Time	≥30 days (at 25°C, with a 10-min reporting interval)
Positioning	Supports remote data upload, LBS (Location-Based Services) + WiFi Scan auxiliary positioning
Bluetooth Printing	Supported
Battery	3.7V Lithium battery (Non-replaceable)

Peculiarity

Temperature	4G Network	Trajectory Tracking	Light Sensor	IP65 Dust/Waterproof	TB & Shock

1. Appearance Description



Button Instructions

- ▲ Up / Print ⏻ Power / OK
- ▼ Down / Record ⚙ Menu

1	External Probe
2	PRINT Button
3	RECORD Button
4	LED Indicator
5	Main Interface
6	Power/OK Button
7	Menu Button
8	Serial Number