

Infrared Thermometer Forehad



Technical Data

| Accuracy | ±0.2 degrees | Response time | 0.5s |
|--------------------------|--|--------------------------|-----------------------------|
| Abnormal automatic alarm | flashing +"Di Di" sound | Charging method | USB charging or battery. |
| Automatic measurement | measuring distance 5cm ~ 10cm | Input | USB DC 4.2-5V |
| Standby | About one week | Weight | 350g |
| Install method | nail hook, double-sided adhesive sticking, bracket fixing | Dimensions | 170*115*140mm |
| Operating temperature | 10℃~40℃ (Recommend 15℃~35℃) | Infrared measuring range | 0~50 ℃ |
| Standby | 5s (Red dot dynamic cycle) | Screen | Digital display |

Quick measurement

Accurate feedback

Fever alarm

O Accurate temperature measurement (EFC RoHS)



(2) Mode: Long press mode switch hole for 3 seconds to switch the temperature measurement mode (Sur: surface mode, bod: object mode, Cou: counting mode)



3.Install and replace battery

- (1) Remove three screws
- (2) Open the back base and install 18650 Li battery





4.Install method







1.Nail hook

2.Bracket fixing

3.Double-sided adhesive sticking



Infrared Thermometer User Guide



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Tripod mounting hole USB interface

0





Double-sided adhesive area

| | Mode | l: K3 | | |
|---------------|------|-------|--|--|
| | | | | |
| | _ | | | |
| s Description | ~ | | | |

1. Standby: The red dot in the bottom of the display lights up in turn. (Fig. 1) 2. Insufficient power: The horizontal bar lights up in the middle of the display. (Fig. 2) 3. Normal temperature: Flashing green lights and alarm 'Di'. (Fig. 3)

| 8.8.8 | | |
|--------|--------|--------|
| Fig. 1 | Fig. 2 | Fig. 3 |

4. Abnormal temperature: Flashing red lights and alarm 'Di Di'.(Fig. 4) 5. Default (bod:object mode) :

'Lo': Ultra-low temperature alarm. (Fig.5)

'HI': Ultra-high temperature alarm.(Fig. 6)

3.1 - 5



2.Specification

- 1. Accuracy: ±0.2 degrees (34~45°C, place it in the operating environment for 30 minutes before use)
- 2. Abnormal automatic alarm: flashing +"Di Di" sound
- 3. Automatic measurement: measuring distance 5cm ~ 10cm

4. Screen: Digital display

5. Charging method: USB charging or battery (18650 Li-ion).

6. Install method: nail hook, double-sided adhesive sticking, bracket fixing

7. Environment temperature: 10°C~40°C (Recommended 15°C~35°C)

8. Infrared measuring range: 0~50°C

- 9. Response time: 0.5s
- 10. Input: DC 5V

11. Weight: 350g

12. Dimensions: 170*115*140mm

- 13. Standby: About one week
- 14. Counting capacity: 999



4.Operation Instruction

3.Statu

1. Temperature measurement: Front of the thermometer and approach it within 5-10 cm. (Fig. 7)



- 2. Mode switching: There is a small hole on the back of the device (Fig. 8). You can use a 3mm diameter screwdriver to insert the hole and then press the button.
- (1) Temperature unit: Press 'mode switch hole' then select 'C' or 'F' (Fig.9, 10) C: Celsius F: Fahrenheit





Fig. 9



Fig. 10

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K3 Software User Guide This software only supports windows system

1. Turn on the top switch of the thermometer, use the data cable to connect with the USB interface of the computer, and install the USB serial port driver.



Note: The driver is usually installed automatically. If you encounter an installation failure, you need to manually install the USB driver. The software package contains part of the program dependent files. Changes will cause errors in the program. Please check the following instructions carefully.

2.2. Op ation process

Download path abroad:

(1) Open the installation package folder and double-click the Setup.exe icon



(2) When the software is opened for the first time, a prompt dialog box of "Control Registration Successful" will pop up normally, click the "OK" button



1. Click "Next"

2. Install to the default folder, Click "Next"

(3) Click 'Next' until the installation is complete



(3) Open the default installation path (default installationpath: D drive \\ TestACY folder)



(5) The main page of the software automatically

pops up. After confirming that the thermometer is turned on and successfully installing the driver, click "Connect"



(4) Double-click the software start up

icon "TestACY"



(6) "Fail" will change to "success"

| COM: COM3 ~ | Serial Port Operation Connect | fail |
|-------------|-------------------------------------|---------|
| COM: COM3 ~ | Serial Port Operation Disconnect | success |

Completing this step means normal connection, then temperature measurement data can be imported into the computer in real time.

Note: 1. Open the software, it will automatically find the COM port, if the COM port displayed by the software is different from the computer resource manager, it will not work properly, please manually set the serial port to the corresponding serial port of the resource manager.

2. After the thermometer is turned off and then on again,

you need to click "Disconnect" and then click "Connect" to display success to run normally, or close the software and open the software again. This step is to refresh the connected serial port and the data will be continued, Otherwise it will be impossible to read the data.

3. Data viewing and export

1. [Text Data View] The "Quantity, Time, Measured Temperature, Environmental Temperature" data that

will be generated after using the thermometer, the folder "TempData \\ year \\ month \\" will be automatically generated in the software package by Year Month Day sequence recording, the format is "TXT" text.



| 3K3软件发布 | > TempData > 2020 | > 04 |
|---------|-------------------|-----------------|
| 名称 | ^ | 修改日期 |
| 202004 | 423-03.txt | 2020/4/23 16:14 |
| | | |
| | | |

2. [Excel Data View] Click "Save As" on the software panel and select "CSV format" to export the Excel file format



| 文件名(<u>N</u>): | test.csv |
|------------------|-------------------|
| 保存类型(工): | TempTable(*.csv) |
| | TempTable (*.txt) |
| 夏藏文件夹 | TempTable(*.csv) |
| | |



4、Software Introduction

| S TESTAC | Y V1.01 | | | | × |
|-------------|--------------|-------------|-------------|--------------------------|---|
| COM: | COM3 ~ | Serial Port | Operation | success | |
| 07 | Бог | N | ormal | 中文 | |
| 97 | .5 F | | ornar | ENG | |
| May | 7,2020 T | emp. Sta | tistics | Temp Format | |
| Quantity | Test Time | Test Value | Envrionment | remp. romac | |
| 11 | 17:56:42 | 97.5°F | 84.3°F | ◯ Celsius°C | |
| 12 | 17:56:46 | 97.4°F | 84.3°F | | |
| 13 | 17:56:49 | 97.5°F | 84.3°F | ● Fahrenheit°F | |
| | | | | Work Mode | |
| | | | | ◯ Surface Mode | |
| | | | | Object Mode | |
| < | | | > | ○ Count Mode | |
| Save | As | Alarm Upp | er Limit: | 99.5 × °F | |
| urrent Date | : 2020-05-07 | Current Tim | e: 17:56:53 | Environment Temp. 84.3°F | |

When the software just opened and not received the data sent by the infrared thermometer, "--.-" will be displayed.

Serial Port Operation Disconnect Success This part is mainly to establish a communication relationship with the infrared thermometer, so that the software can normally receive the temperature data measured by the infrared thermometer. If the communication is normal: display success, otherwise fail.

(3) When the measured temperature is displayed,

(1) Software name: TESTACY

"normal" is displayed under normal conditions. If it exceeds a certain upper limit value, "abnormal" will be displayed.



(7) The user can choose the temperature display format as needed. (6) Record the measured temperature data of the

17:57:08

5

day, including the measured quantity, the test time and the measured temperature corresponding to each measurement object.

| May | 7,2020 | Temp. | Sta | tistics | |
|----------|-----------|-------|-------|-----------|---|
| Quantity | Test Time | Test | Value | Envrionme | ٨ |

97.6°F



(8) The user can choose the temperature test mode as needed.

| 0 | 17:57:09 | 97.01 | 84. |
|----|----------|--------|-----|
| 7 | 17:57:11 | 97.6°F | 84. |
| 8 | 17:57:13 | 97.5°F | 84. |
| 9 | 17:57:14 | 97.5°F | 84. |
| 10 | 17:57:16 | 97.6°F | 84. |
| 11 | 17:57:18 | 97.6°F | 84. |
| 12 | 17:57:19 | 97.6°F | 84. |
| | | | × |
| < | | | > |

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84.

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 $(J) \land W @ A h ^ az | o h aza h Az ^ a Az$



 $(F \in) \dot{U} \circ \acute{A} \otimes \dot{A}] \land \dot{A} = \dot{A} \otimes \dot{A}$

| TESTAC | Y V1.01 | | - | |
|----------|---------------|----------------------|-------------|---------------------------|
| COM: | сомз 🗸 | Serial Port Disco | onnect | success |
| 97 | . 5 °F | N | ormal | 中文 |
| May 7 | 7.2020 T | emp. Sta | tistics | ENG |
| Quantity | Test Time | Test Value | Envrionment | Temp. Format |
| 11 | 17:56:42 | 97.5°F | 84.3°F | ◯ Celsius°C |
| 12 | 17:56:46 | 97.4°F | 84.3°F | |
| 13 | 17:56:49 | 97.5°F | 84.3°F | Fahrenheit ^o F |
| | | | | Work Mode |
| | | | | ◯ Surface Mode |
| | | | | Object Mode |
| | | | | |
| < | | | > | O Count Mode |
| 0 | • | | | |
| Save A | As | Alarm Upp | er Limit: 9 | 99.5 × °F |
| | | | | |

(%%) 8]gd`UmigdYWJÙWa YUgi fYa Ybh'h]a Y`cZh Y`XUmUbX`h Y`Ybj]fcba Ybh'hYa dYfUh fY"

Current Date: 2020-05-07 Current Time: 17:58:23 Environment Temp. 84.3°F

)":5E

%" "E.H\Y"gcZtkUfY"WUbfficdYb3

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&" `E.7 UbfficdYb'h Y'gYf]U'dcfh3

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5. FYUgcb. H. Y'dck Yf'gk JHW 'cZh Y']bZUFYX'h Yfa ca YhYf']g'bchhi fbYX'cb'cf'h Y'XYj JWF']g'WcbbYWhYX'UZhYf'

h\Y`gcZtkUfY`]gʻhifbYX`cb" Gc`ih]cb.fYWebbYWhh\Y`XYj]WYžUbX`h\Yb`cdYb`h\Y`gcZtkUfY"

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