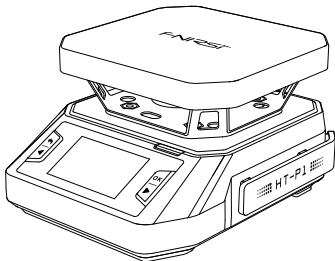


F-NIRSI™ 菲尼瑞斯

HT-P1A/HT-P1B

Mini Hot Plate User Manual V1.1

迷你加热台产品说明书



※Please read this instruction manual carefully before using the product and keep it properly.

※使用产品前请仔细阅读本说明书，并妥善保管。

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1. Safety Instructions

- The HT-P1 series includes two models, HT-P1A and HT-P1B. Both models support two power input options: DC input and USB Type-C input (the Type-C port supports PD-compatible chargers only). These two power inputs cannot be used simultaneously. Using both inputs at the same time may cause damage to the device.
- The HT-P1 must be paired with a power supply of appropriate wattage. When powered through the DC input, the maximum continuous power supported is 150 W. Based on the actual output of your DC power supply, select the corresponding power rating in the system settings. Choosing a power rating higher than the actual capability of the power supply may lead to unexpected power issues.
- Do not touch the heating surface while the unit is powered on and heating to avoid burns.
- During first-time use or after long periods of storage, the heating process may produce slight smoke or odor. This is normal and will disappear after several uses.
- After prolonged use, the heating surface may show slight yellowing or stains. This is a normal condition. Please maintain and clean the heating surface regularly.
- If using a low-power supply (below 40W), the HT-P1 may not reach the preset temperature. Please use a higher-power power supply.

- The HT-P1 supports a highest temperature of 350°C. Avoid prolonged operation at the highest temperature without load, as this may cause overheating. Always switch off the power after use or when leaving the device unattended to prevent fire hazards.
- Do not disassemble or modify the product. Read this manual carefully before use and keep it properly stored. Keep the product out of the reach of children to prevent accidental activation and potential injury.

2. Product Overview

The HT-P1 is the latest high-performance mini hot plate with precise temperature control, newly launched by FNIRSI. It offers the following key features:

- Supports DC / Type-C power input for flexible use
- PID temperature control for precise and rapid regulation
- Temperature range: 100°C–350°C
- High power heating up to 150W for fast temperature rise
- Dual operation modes: Constant Temperature and Reflow Soldering
- Tilt detection for enhanced safety
- The HT-P1A model supports Type-C power input with PD 2.0/3.0 fast-charging protocols.
- The HT-P1B model supports Type-C power input with PD 2.0/3.0/3.1 fast-charging protocols.

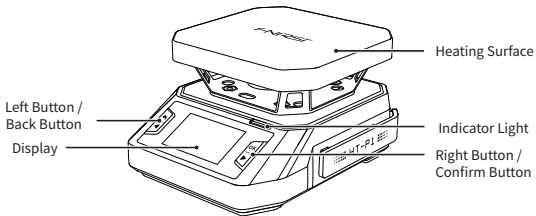
- Adjustable power settings for better power supply compatibility
- Built-in over-temperature protection
- Supports firmware upgrade for continuous improvements
- Detachable design for easy maintenance
- Compact and portable size, convenient to carry

The detailed specifications of the HT-P1 Mini Hot Plate are shown in the table below:

Parameter	Description	Parameter	Description
Fast-Charge Protocol	PD2.0/PD3.0/PD3.1(HT-P1B)	Standby Power	1.6W
Power Limit	30W~150W	Temperature Stability	$\pm 3^{\circ}\text{C}$
Temperature Range	100°C ~ 350°C	Display	1.44" color screen
Heating Area	50mm * 50mm	Product Size	$\approx 68.8*81.8*44.5\text{mm}$
Tilt Detection	20°~50°	Product Weight	$\approx 157\text{g}$
Input Voltage	DC 12V~28V (Type-C and DC input cannot be used simultaneously!)		

3. Quick Start Guide

3.1 Appearance Overview



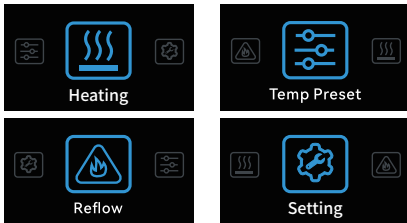
3.2 Functions and Operating Instructions

► 3.2.1 Indicator Light Prompt

Color	Indication
Blue	Normal Status
Red	Abnormal Status

►3.2.2 Main Screen

The HT-P1 main screen provides four function options: Heating, Temperature Preset, Reflow Soldering, and Settings, as shown in the figure below:



Main screen function description:

Option	Function
Heating	Constant heating function, maintains the set temperature for stable heating.
Temperature Preset	Allows multiple temperature values to be preset and quickly recalled when needed.
Reflow Soldering	Simulates reflow soldering by automatically heating in stages according to preset temperature and time.

Settings	Provides parameter configuration.
----------	-----------------------------------

Main screen operation instructions:

Button	Operation	Menu Mode	Data Mode
	Single Press	Previous Item	/
	Long Press	/	/
	Single Press	Next Item	Enter / Confirm
	Long Press	/	/

► 3.2.3 Heating Screen

Heating Screen (Constant-Temperature Mode): The HT-P1 quickly heats from the current temperature to the user-set target temperature and holds that temperature. If the time to reach the target exceeds the allowed timeout, the heating process will stop automatically.

Three preset temperature values (T1, T2, T3) can be configured for constant heating. During heating, the user can freely switch between these preset temperatures using the buttons.



No.	Function
①	Displays the current temperature of the hot plate in real time
②	Shows temperature status: Heating, Cooling, Constant Temperature
③	Preset temperature: target heating temperature. Once reached, maintains constant temperature. (Long press the Right Button to enter temperature adjustment mode to set the current preset temperature)
④	Fan icon lights up when the fan is running; icon disappears when the fan is off
⑤	Displays the current input voltage in real time
⑥	Records the heating time. If heating exceeds the preset duration, it returns to the main screen
⑦	Power progress bar showing the current heating power usage

❶ Note: The factory default power setting is 100W. Users should adjust the power according to the actual output capability of their power adapter or fast-charging head. Otherwise, the following issues may occur: Continuous restarts during heating (if the power is insufficient, adjust the power setting lower as needed). Slow heating speed (if the power is mismatched, increase the power setting appropriately or use a higher-power adapter). When using fast charging, do not stay on the Heating Screen or Temperature Calibration Screen under induced conditions, as this may cause repeated restarts.

Heating screen operation instructions:

Button	Operation	Menu Mode	Data Mode
	Single Press	Previous Preset Temperature	Decrease Value by 1
	Long Press	Return to Main Display	Fast Decrease Value
	Single Press	Next Preset Temperature	Increase Value by 1
	Long Press	Edit Set Temperature	Fast Increase Value

❗ Note: When adjusting the set temperature, if the system remains idle beyond the preset timeout period, it will automatically exit the adjustment mode.

► 3.2.4 Temperature Preset Screen

The preset temperatures T1, T2, and T3 can be adjusted using the arrow buttons within a range of 100°C to 350°C. After adjustment, the settings will be automatically saved if no further operation is performed for 2 seconds.

Temperature preset screen operation instructions:



Button	Operation	Menu Mode	Data Mode
	Single Press	Previous Item	Decrease Value by 1
	Long Press	Return to Main Display	Fast Decrease Value

	Single Press	Next Item	Increase Value by 1
	Long Press	Select Setting	Fast Increase Value

❗ **Note:** When the system remains idle on the innermost menu page beyond the preset timeout period, it will automatically return to the main title bar.

►3.2.5 Reflow Soldering Screen

On this screen, the HT-P1 simulates the reflow soldering function. It performs staged temperature control based on the user-set target temperature and time. The reflow process is divided into three stages: heating stage, preheating stage, and soldering stage.



No.	Function
①	Heating Zone: The device heats quickly according to the preset temperature and time. After the countdown ends and the preset temperature is reached, the heating stage ends, the indicator stays on, and it automatically moves to the next stage.
②	Soaking Zone: The device heats slowly according to the preset temperature and time. After the countdown ends and the preset temperature is reached, the preheating stage ends, the indicator stays on, and it automatically moves to the next stage.

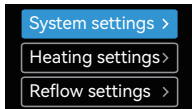
③	Soldering Zone: The device first heats quickly to the preset temperature. After reaching the preset temperature, it counts down according to the preset time, maintaining the temperature at the preset value until the countdown ends, then automatically moves to the next stage.
④	Displays the current hot plate temperature in real time.
⑤	Preset Temperature: Target temperature for the three stages, adjustable via the menu.
⑥	Preset Time: Preset countdown time for each stage, adjustable via the menu.

Reflow soldering screen operation instructions:

Button	Operation	Menu Mode	Data Mode
	Single Press	/	/
	Long Press	Return to Home Screen	/
	Single Press	/	/
	Long Press	/	/

► 3.2.6 Settings Screen

After entering the Settings interface, you can select the System Settings, Heating Settings, or Reflow Soldering Settings menus to configure the corresponding parameters.



Menu Item	Settings	Description	Default	Adjustable Range
System Settings	Screen Timeout	Home screen timeout (0 = Off)	5min	0~99min
	Screen Brightness	Set screen brightness	10	1~10
	System Volume	Set system volume	3	0~10
	Temperature Unit	Set temperature unit (°C / °F)	°C	°C/°F
	Language	Set language	Chinese	Chinese/English
	Auto Exit Timeout	Auto-exit time after parameter adjustment	2.5s	1s~9.9s
	About	View current device information / Restore factory settings	/	/
Heating Settings	Power Rating	Set Power rating (Adjust according to actual power supply)	100W	30W~150W
	120°C Calibration	Set temperature calibration	0	-50°C~50°C, -90~90°F
	220°C Calibration	Set temperature calibration	0	-50°C~50°C, -90~90°F
	320°C Calibration	Set temperature calibration	0	-50°C~50°C, -90~90°F
	Tilt Angle	Set tilt detection angle	30°	20~30°
	Heating Time	Sets the maximum heating time allowed for a single operation	5min	1~30min

	Long-Time Protection	Duration of prolonged heating protection	120min	30min~360min
Reflow Soldering Settings	Heating Temperature	Fast Heating Target Temperature	150°C	130°C~170°C
	Heating Time	Heating Stage Duration	80S	60~90S
	Soaking Temperature	Slow Heating Target Temperature	170°C	150°C~220°C
	Soaking Time	Soaking Stage Duration	120S	60~120S
	Reflow Temperature	Reflow Target Temperature	230°C	230°C~260°C
	Reflow Time	Reflow Stage Duration	130S	30~180S

Settings Menu Operation Instructions:

Button	Operation	Menu Mode	Data Mode
	Single Press	Previous Item	Decrease Value by 1
	Long Press	Return to Previous Menu	Fast Decrease Value
	Single Press	Next Item	Increase Value by 1
	Long Press	Select Setting	Fast Increase Value

! Note: If the system remains idle beyond the preset timeout period, it will automatically return to the main title bar.

►3.2.7 Temperature Calibration Procedure

Step 1: On the heating interface, adjust the set temperature to the target calibration point.

Step 2: Wait until the temperature reaches the target value and stabilizes, then use a thermometer to measure the actual temperature of the heating station.

Step 3: Subtract the target temperature from the measured actual temperature to obtain the deviation between the actual temperature and the displayed temperature.

Step 4: Enter the Heating Settings interface, locate the corresponding temperature calibration point, and add the deviation to the original calibration value to update the new calibration value.

Step 5: Return to the heating interface, heat again to the target temperature, and measure the actual temperature with the thermometer. If the actual temperature differs from the displayed value, repeat Steps 1–4 until calibration is complete.



►3.2.8 Warning Alerts

During system operation, if a system or sensor error occurs, the device will display a warning alert and stop heating. (Tilt angle warnings will resume heating once the angle returns to normal; other warnings will return to the Settings Menu)

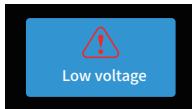
- **Heating Device Not Detected**

If the device cannot detect the heating platform, the system will automatically stop the heating process and display a warning alert to prevent potential equipment damage or safety hazards.



- **Low Voltage**

When the input voltage is below the normal operating range, the system will display a warning to alert the user and prevent performance degradation or damage caused by insufficient voltage.



- **Excessive Tilt Angle**

If the device detects that its tilt angle exceeds the safe operating range, the system will automatically display a warning to prevent performance issues or potential safety hazards due to tilting.



- **Over temperature**

When the power is disconnected, if the hot plate temperature exceeds 50°C, the system will display an "Over Temperature" warning.



- **Long-Time Protection**

When the heating station continuously operates for a duration reaching the long-time protection threshold, the system will automatically activate the long-time protection mechanism. The protection interface will be displayed, and heating will be paused. At this point, the user can respond as follows:



Press the right button to confirm: Continue the heating task. Press the left button to return: Exit the current interface and return to the main display.

3.3 Firmware Upgrade

- In power-off state, long press the left button and then connect the USB to enter the firmware upgrade screen, or insert the USB and simultaneously long press the left and right buttons to enter the firmware upgrade screen. (Short press the right button to exit the firmware upgrade screen.)

- Connect the device to a computer using a USB Type-C data cable.
- The computer will automatically recognize the USB drive. Drag the firmware file into the USB drive.
- After the firmware upgrade is complete, the device will automatically restart.

4.FAQ

Problem / Symptom	Solution
Device restarts when entering Reflow or Constant Temperature heating screen	Check if the power supply's maximum output matches the HT-P1 power setting. For example, if the charger's max output is 65W but HT-P1 default max power is 100W. Heating at this time may cause the device to restart. Adjust HT-P1 power in the menu to match (or slightly lower) the charger's output.
Power supply can only provide 5V, cannot obtain higher voltage	Check whether the fast charger / power bank supports PD protocol. HT-P1A supports PD2.0/PD3.0 fast-charging protocols only, while HT-P1B supports PD2.0/PD3.0/PD3.1 fast-charging protocols; other protocols are not supported.
Temperature cannot reach target	Check the heating power. For example, 30W can only heat to 200°C, difficult to reach 300°C. Increase heating power or use a higher-output power supply.

Black screen and LEDs off after a period of idle	1. Check if the device enters sleep mode (device automatically sleeps after idle). 2. Contact after-sales support if needed.
Device powered on but does not turn on	1. Check Type-C or DC power supply. 2. Contact after-sales support.
Platform not detected	Check if the heating platform is installed properly and has good contact.
Slight smoke or odor during first heating	Normal phenomenon. It will disappear after heating for a while.

5. Contact Us

Product Name: Mini Hot Plate

Model: HT-P1A/HT-P1B

Manufacturer: Shenzhen FNIRSI Technology Co., Ltd.

Address: 8th Floor, West Side, Building C, Weihua Da Industrial Park,
Dalang Street, Longhua District, Shenzhen, Guangdong, China

Tel: +86 755 28020752

Service Email: support@fnirsi.com

Business Email: business@fnirsi.com

Website: www.fnirsi.com

Standard Implemented: GB 4706.55-2008



<http://www.fnirsi.com/>

6. Warranty Information

※This page serves as the basic warranty card. Please keep it properly.

Thank you for choosing our products. The warranty period of this product starts from the date of sale. During the product warranty period, if the product is installed and used according to the user manual, under normal conditions, and the fault is caused by defects in original materials or workmanship, you are entitled to free repair services according to the terms of this warranty. Please keep this warranty card properly as proof of warranty. No replacement will be issued if it is lost.

The following situations will incur paid repair services:

- Failure to present a valid original warranty card;
- Damage caused by improper installation not complying with product requirements, standards, or related regulations;
- Damage caused by accessories in the installation environment that do not meet product requirements, standards, or related regulations;
- Damage caused by improper use, poor maintenance, unauthorized disassembly, or unauthorized repairs;
- Warranty period has expired.

一、安全声明

- HT-P1分为HT-P1A和HT-P1B两款,均支持DC口供电和Type-C口供电(Type-C口只支持PD协议的充电器)两种供电方式。两种供电方式只能二选一,切不可同时使用,否则可能会损坏设备。
- HT-P1需匹配合适功率的电源,使用DC口供电最大功率是150W(持续功率),需根据DC电源的实际功率,在系统设置中选择对应的电源功率,避免因选择的电源功率过高引发电源意外。
- 通电加热后,请勿接触发热台面,避免烫伤。
- 首次使用或搁置长时间再使用,加热时可能会出现轻微发烟或轻微异味,属于正常现象,使用加热一段时间之后,会恢复正常。
- 发热台面使用过之后,可能会出现轻微发黄/脏污,属于正常现象,注意保养发热台面。
- 如使用较低功率电源给HT-P1供电(如小于40W),可能导致温度无法达到预设温度,请更换更大功率的电源。
- HT-P1最高耐温350度,尽量避免将设备长时间处在最高温度进行干烧,使用结束或离开时请关闭电源,谨防火灾。
- 请勿自行拆装或者改造产品,使用前应查看本手册并妥善保管产品,以免儿童误触,启动加热功能,造成人员受伤。

二、产品介绍

HT-P1是FNIRSI最新推出的一款高性能迷你恒温加热台,该产品主要有以下特点:

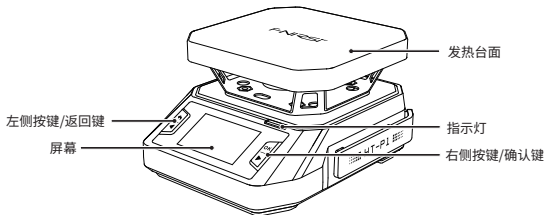
- 支持 DC / Type-C 供电,使用灵活
- PID 控温,精准快速
- 支持 100°C~350°C加热温度范围
- 支持 150W 大功率加热,升温迅速
- 支持恒温加热、回流焊双工作模式
- 支持倾倒检测,使用更安全
- HT-P1A款Type-C供电支持PD2.0/3.0快充协议
- HT-P1B款Type-C供电支持PD2.0/3.0/3.1快充协议
- 支持电源功率调节,电源匹配性好
- 支持过温保护
- 支持固件升级功能
- 分体式设计,维护方便
- 尺寸小巧、携带方便

HT-P1迷你加热台详细规格参数如下图所示：

项目	说明	项目	说明
快充协议	PD2.0/PD3.0/PD3.1(HT-P1B)	待机功耗	1.6W
功率限制	30W~150W	温度稳定性	±3°C
控温范围	100°C ~ 350°C	屏幕参数	1.44寸彩屏
加热区域	50mm * 50mm	产品尺寸	≈68.8*81.8*44.5mm
倾倒检测	20°~50°	产品重量	≈157g
输入电压	DC12V ~ 28V (TYPE-C 和 DC 输入不能同时用!!)		

三、快速入门

3.1 外观说明



3.2 功能详情和操作说明

► 3.2.1 指示灯提示

颜色	说明
蓝色	正常状态
红色	异常状态

► 3.2.2 主界面

HT-P1主界面有四个功能选项：加热、温度预设、回流焊、设置，如图所示：



主界面功能描述：

选项	功能
加热	恒温加热功能,根据预设的温度恒温加热。
温度预设	预先设定多个温度值,并在需要时快速调用。
回流焊	模拟回流焊功能,根据预设的温度和时间分阶段进行自动加热。
设置	进行参数配置

主界面操作说明：

按键	操作	菜单模式	数据模式
	单击	上一项	/
	长按	/	/
	单击	下一项	进入下一级/确认
	长按	/	/

►3.2.3 加热界面

该界面保持恒温加热，HT-P1会根据用户预设的恒温值，先从当前温度快速升温到预设温度，并恒定在预设温度加热，升温时间超时退出。

恒温加热可预设三个温度值（T1、T2、T3），在加热过程中，通过按键可自由切换三个预设温度。



序号	功能
①	实时显示当前加热台的温度值
②	温度状态显示, 共有三种状态: 升温, 降温, 恒温
③	预设温度, 加热的目标温度, 到达预设温度后保持恒温 (长按右键进入温度调整状态, 调节当前预设温度)
④	图标亮起说明风扇正在转动, 图标消失说明风扇关闭
⑤	实时显示当前输入电压值
⑥	记录升温过程的时间, 升温超时会退回主界面
⑦	功率进度条, 显示当前加热功率的使用情况

❗注意: 电源功率出厂默认配置为100W, 需用户根据自己电源适配器/快充头的实际电源输出能力进行调整, 否则可能出现: 加热过程不断重启 (电源功率不够, 应适当调低电源功率值)、加热速度过慢 (功率不匹配, 应适当调高电源功率值, 或更换更大功率电源) 等问题。在使用快充时, 诱骗情况下不能处于加热界面或者温度校准界面, 否则可能会出现不断重启的情况。

加热界面操作说明:

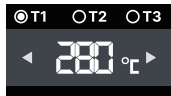
按键	操作	菜单模式	数据模式
	单击	上一组快捷温度	数值减1
	长按	返回主界面	数值快速减少

	单击	下一组快捷温度	数值加1
	长按	修改设置温度	数值快速增加

❗ **注意：**在修改设置温度时，无操作超过设定时间，系统将自动退出修改状态。

▶ 3.2.4 温度预设界面

T1/T2/T3预设温度均可通过方向键进行调整，100°C~350°C范围可调，调整完毕后等待2秒后自动保存参数。



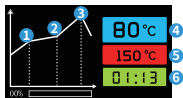
温度预设界面操作说明：

按键	操作	菜单模式	数据模式
	单击	上一项	数值减1
	长按	返回主界面	数值快速减少
	单击	下一项	数值加1
	长按	选中设置	数值快速增加

❗ **注意：**在菜单最内层页面无操作超过设定时间时，系统将自动返回至标题栏。

▶ 3.2.5 回流焊界面

该界面模拟回流焊功能，HT-P1会根据用户设定的目标温度和时间进行分阶段温度控制，回流焊过程分为三个阶段：升温阶段，保温阶段，焊接阶段。



序号	功能
①	升温区, 设备按照预设的温度和时间进行快速升温, 倒计时结束并已经达到预设的温度之后, 升温阶段结束, 常亮显示, 并自动跳入下一个阶段
②	保温区, 设备按照预设的温度和时间进行缓慢升温, 倒计时结束并已经达到预设的温度之后, 保温阶段结束, 常亮显示, 并自动跳入一下阶段
③	焊接区, 设备先按照预设温度快速升温, 到达预设温度后开始按照预设时间进行倒计时, 温度持续恒定在预设值, 直到倒计时结束自动跳入一下阶段
④	实时显示当前加热台温度
⑤	预设温度, 三个阶段目标温度, 可通过菜单设置
⑥	预设时间, 每个阶段的预设时间倒计时显示, 可通过菜单设置

回流焊界面操作说明:

按键	操作	菜单模式	数据模式
	单击	/	/
	长按	返回主界面	/
	单击	/	/
	长按	/	/

►3.2.6 设置界面

设置界面后, 可选系统设置、加热设置、回流焊设置菜单进行对应参数的设置。



菜单项	设置	释义	出厂设置	可调范围
系统设置	息屏时间	主页无操作自动息屏时长 (0 为关闭)	5min	0~99min
	屏幕亮度	设置背光亮度	10	1~10
	系统音量	设置音量大小	3	0~10
	温度单位	设置温度单位, 摄氏度或华氏度显示	°C	°C/°F
	语言设置	设置界面显示语言	中文	中文/英文
	返回时间	设置参数后, 自动退出修改状态的时间	2.5s	1s~9.9s
	关于	查看当前设备信息/设置恢复出厂默认参数	/	/
加热设置	电源功率	设置电源功率 (根据电源实际情况调整)	100W	30W~150W
	120°C校准	设置温度校准值	0	-50°C~50°C, -90~90°F
	220°C校准	设置温度校准值	0	-50°C~50°C, -90~90°F
	320°C校准	设置温度校准值	0	-50°C~50°C, -90~90°F

加热设置	倾斜角度	设置倾倒检测角度	30°	20~30°
	加热时间	设置单次加热操作的最长允许时长	5min	1~30min
	长时保护	长时间加热保护时间	120min	30min~360min
回流焊设置	升温温度	快速升温目标温度	150℃	130℃~170℃
	升温时间	升温阶段所需时间	80S	60~90S
	保温温度	缓慢升温目标温度	170℃	150℃~220℃
	保温时间	保温阶段所需时间	120S	60~120S
	焊接温度	焊接阶段目标温度	230℃	230℃~260℃
	焊接时间	焊接阶段所需时间	130S	30~180S

菜单设置操作说明：

按键	操作	菜单模式	数据模式
	单击	上一项	数值减1
	长按	返回上一级菜单	数值快速减少
	单击	下一项	数值加1
	长按	选中设置	数值快速增加

❗ 注意：无操作后超过设定时间，系统自动返回至标题栏。

►3.2.7 温度校准流程

第一步:在加热界面把设置温度调整至目标校准档位。

第二步:待温度升至目标温度并稳定后,使用测温仪测量加热台实际温度。

第三步:用测温仪测得的实际温度减去目标温度,得到实际温度与显示温度的偏差值。

第四步:进入加热设置界面,找到对应温度校准档位,将原校准值加上偏差值,更新为新的校准值。

第五步:返回加热界面,重新加热至目标温度,再次用测温仪测量实际温度。若实际温度与显示温度不一致,重复步骤1至4直至校准完成。



►3.2.8 警告提示

在系统运行过程中,如果出现系统异常或者传感器异常,设备会出现告警提示,并停止加热。(倾斜角度警告角度正常后会恢复加热,其他警告则返回设置界面)

· 检测不到加热设备

当设备检测不到加热台的存在时,系统将自动停止加热过程,并弹出警告提示窗口,以防止潜在的设备损坏或安全事故。



- **电压低**

当设备的输入电压低于正常工作范围时,系统将显示警告信息,提示用户电压低的情况,避免因电压不足导致的设备性能下降或损坏。



- **倾斜角度过大**

当设备检测到其倾斜角度超过安全操作范围时,系统将自动显示警告信息,以防止因设备倾斜导致的性能下降或潜在的安全事故。



- **温度过高**

当电源拔出,加热台温度高于50°C时,系统会提示温度过高。



· 长时保护

当加热台持续加热时间达到长时保护阈值时，系统将自动触发长时保护机制，显示保护界面并暂停加热操作。此时，用户可通过以下方式响应：

右键确认：继续执行加热任务；左键返回：退出当前界面，返回主页



3.3 固件升级

- 关机状态下，长按左键再接入USB进入固件升级界面或者插入USB再同时长按左键和右键进入固件升级界面（短按右键可以退出固件升级界面）；
- 使用USB Type-c数据线接入设备和电脑；
- 电脑将会自动识别U盘，将固件拖入U盘即可；
- 固件升级完成将会自动重启。

四、常见问题

问题和现象	解决方法
进入回流焊界面或恒温加热界面会重启	检查电源的最大输出功率跟HT-P1配置的电源功率是否匹配，例如充电头最大输出65W，但HT-P1默认出厂最大限制功率是100W，此时进行加热，设备就可能会重启，需要进入菜单栏，找到电源功率选项，调整功率到跟充电头一样（或低一点）的功率即可。

电源电压只能申请到5V, 申请不到更高电压	检查快充头/充电宝的快充协议是否支持PD协议。HT-P1A仅支持PD2.0/PD3.0快充协议, HT-P1B仅支持PD2.0/PD3.0/PD3.1快充协议, 其他协议不支持。
温度一直上不去	检查加热功率大小, 例如30W的加热功率, 只能加热到200度左右, 难以上到300度, 请设置更大的加热功率或者更换更大 输出功率的电源。
放一段时间发现黑屏并且彩灯不亮	1.检查是否进入休眠, 静止一段时间设备会自动进入休眠; 2.联系售后
通电不开机	1.检测 Type-C 或 DC 供电是否正常 2.联系售后
提示没有平台	检查发热台面是否安装好或者是否接触不良
首次加热有轻微冒烟或异味	属于正常现象, 加热一段时间之后就会消失

五、生产信息

产品名称:迷你加热台

品牌/型号:FNIRSI/HT-P1A/HT-P1B

生产商:深圳市菲尼瑞斯科技有限公司

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执行标准:GB 4706.55-2008

六、保修说明

※此页为保修卡基本凭证, 请妥善保管

感谢您选择本公司产品, 本产品自销售之日起计保修期。在产品保修期内, 凡按照产品使用, 说明书安装使用。于正常环境、条件使用之下, 因原物料及加工过程中之瑕疵而导致故障, 可依据本保修条款的内容享受无偿维修服务, 本保修卡请用户妥善保存, 以作保修凭证, 丢失恕不补发。

以下情况将实施有偿维修服务:

- 不能出示有效保修卡原件;
- 产品安装不符合产品要求、标准和相关规范造成的损坏;
- 产品安装环境中相关配件不符合产品要求、标准和相关规范造成的损坏;
- 用户对产品使用不当、保管不妥或擅自拆机、私自维修等原因造成的损坏;
- 超过保修期;

Warranty Card



Product Model	HT-P1A/HT-P1B	Qty.	
Distributor Name (where to buy)		Contact	
Address		Invoice Number (Order Number)	
Purchase Date (as per invoice)	Year	Month	Day
User Name:	Address: 		
Contact: 	Fault Description: 		

保修卡



产品型号	HT-P1A/HT-P1B	数量	
渠道商名称 (购买商店)		联系方式	
渠道商地址		发票号 (订单号)	
购买时间	年 月 日		
客户姓名:		地址: 	
联系方式: 		故障说明: 	



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