RF4®

FOCUS DESIGN AND CONCEPT

RF-H8e

INSTRUCTION MANUAL 丨使用说明书



感谢您购买此款稳压电源,使用前请仔细阅读本说明书,阅读后请妥善保管以供日后参考

Thank you for purchasing this stabilized power supply, Please read this manual carefully before use and keep it safe for future reference

功能用途

1. 本设备主要用于电子元器件表面贴装的拆除和焊接如：SOIC、CHIP、QFP、PLCC、BGA等。
2. 用于手机排线及排线座的拆焊。
3. 可用于热收缩软管和各种塑料等所需的加热、烘干、除漆、除粘、解冻、胶焊、热能测试及其它需要加热的工序。

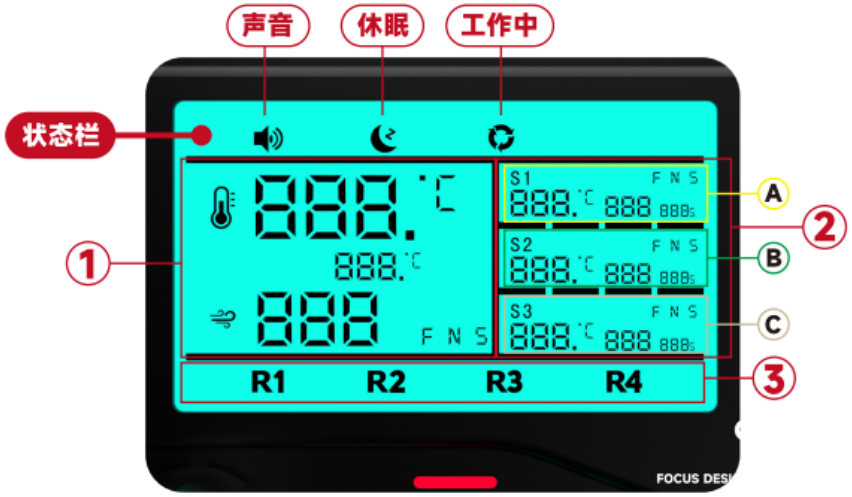
包装清单附件

主机	风枪咀	电源线	休眠支架	热风枪手柄	说明书
1台	4个	1条	1个	1个	1本

产品性能说明

1. 本设备采用电阻丝加热，K型热电偶传感闭合回路微电脑PID全程控温的方式控温。具有提前预判，精确控温,多重故障指示和安全保护措施。温度恒温精度不大于±2℃,线性失真<±3。

2. 风量送风采用高性能双滚珠涡轮风扇送风，具有噪声小、重量轻、风量大、风压高、超长使用寿命等特点。风量大小可调节，风量调节范围：10-150%。
3. 手柄装有感应开关，从休眠支架取出手柄便可迅速进入工作模式。手柄放归休眠支架内，系统便会降温送冷风进入待机状态。实时操作方便，减少能源损耗延长发热体使用寿命。
4. 本产品具有独特的主动安全保护专利技术，3S故障判断、不自燃、防干烧功能、不烧手柄，出现故障时负载自动切断。
5. 产品具备声音报警功能：开机通电警示、恒温警示、休眠警示、不发热故障警示、手柄脱落警示等提示功能。
6. 本产品温度具有校准功能，打开校准界面，调节温度按钮到实际温度，即可保存修正温度，多重复直至准确。



状态栏说明

声音标志： 打开即显示，关闭则隐藏

休眠标志： 正常工作状态下为隐藏，当手柄感应休眠时，休眠标志显示

工作中标志： 正常工作状态时显示，休眠或者机器未正常工作时隐藏

操作流程

1. 将电源线插入本设备后部电源插座，打开设备电源开关
2. 数码管显示"OFF",此时拆焊台处于关闭状态
3. 调节面板中“AIR风量”和“TEMP温度”按钮，达到所需风量和温度，拆焊台处于工作状态
4. 拿起拆焊台手柄，拆焊台退出待机状态，面板指示灯显示红色，拆焊台正常加热工作。
5. 按R1/R2/R3/R4按钮可切换对应的参数记忆。
6. 按RW按钮进入曲线工作模式。
7. 当手柄完全放置在休眠支架内，此时拆焊台会自动切断加热，送冷风冷却发热丝。当温度低于100°C时，拆焊台进入待机模式，面板指示灯显示绿色。此时风机停止送风，负载切断，显数码管显示“---"”

注意事项

在拆焊台处于关闭状态(数码管显示”OFF”)或待机状态(数码管显示”---”)时调节所需的温度和风量，避免在设定温度或风量过高时进入工作状态。

设置通道参数

常规记忆通道

在任意模式下，按下R1/R2/R3/R4都可以切换到常规记忆模式；调节任意温度和风量时，都可以通过长按R1/R2/R3/R4将两个参数记录到常规记忆通道。

曲线记忆通道

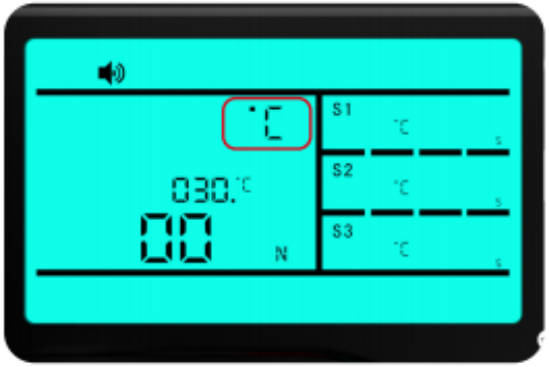
在待机状态下(热风枪工作时长按RW/SET按键或手柄放置在支架上进入待机状态)设置通道参数并保存:长按RW进入设置模式，通过风量键将设置项调到对应曲线模式参数，使用温度键设置好参数后，再次长按RW保存。

操作说明



声音开关

长按RW/SET按键进入设置，通过风量按键切换至声音开关功能，通过温度按键选择开启或关闭声音。



华氏/摄氏转换

长按RW/SET按键进入设置，通过风量按键切换至华氏/摄氏转换，通过温度按键选择华氏度或摄氏度显示。



温度补偿

长按RW/SET按键进入设置，通过风量按键切换至温度补偿参数设置，通过温度按键增加或减少温度补偿参数，补偿温度范围为0-100.



温度校准

长按RW/SET按键进入设置，通过风量按键切换至温度校准，通过温度按键调节温度校准参数，范围为±99摄氏度。



升温模式选择

长按RW/SET按键进入设置，通过风量按键切换至升温模式选择，通过温度按键切换升温模式：　F：快速　N：正常　S：慢速

F快速模式：平均100个温度单位升温/降温时长为3S
N常规模式：平均100个温度单位升温/降温时长为5S
S慢速模式：平均100个温度单位升温/降温时长为8S

使用安全注意事项

1. 使用本机时请将电源可靠良好接地，方可起到除静电的功效。切勿靠近易燃易爆气体、纸张或其他易燃物防止火灾发生。本产品工作中为高温发热气体，请注意安全以防烧伤。切勿触摸工作中的拔焊台发热管。切勿使拔焊台喷出的气流接触体肤。切勿用手触摸刚刚更换下来的风枪咀。
2. 拔焊台初次使用时风管会冒白烟属正常现象，工作一段时间可消除。
3. 本设备带过温保护，为安全起见热风拔焊台温度升高至580度会出发过温保护，控制器会强制切断负载使之不再加热。并起动过温警示，显示故障代码："ERR2"，当温度冷却至正常温度或者断电故障排除后重启，故障警示方可清除。

规格

电压	功率	风枪温度范围	风量	显示形式	机身重量
220VAC	1200W	100°C-500°C	10%-150%	LCD段码显示	2.18KG
110VAC	1000W				
恒温精度	风机类别		风机转速	手柄线长	
±2°C	高速无刷涡轮风机		13000转/MIN	手柄管长800MM	

警示提示说明

本设备具有多重故障保护、显示提示、声意警示功能。下面对出现的故障和按键做简要说明：

ERR1:　提示发热体损坏或者传感线极性错误，请断开电源排除故障。

ERR2:　提示发热体高温或者手柄脱落，请断开电源排除故障。

显示提示功能：　通电、恒温和设备出错都会显示不同的代码提示。请将故障排出后方可清除。

- **警告**

本设备为高温作业工具，使用时请注意以防烫伤。操作时需有人值守，不可在易燃易爆物附近使用。谢谢您的使用!

FUNCTIONAL USES

1. This equipment is mainly used for the removal and welding of electronic components surface mounting. Such as: SOIC,CHIP,QFP,PLCC,BGA and so on.
2. It is used for the dismantling and welding of cellphone cable and cable holder.
3. It can be used for heating,drying,paint removal,de-sticking,defrosting,glue welding,thermal testing and other processes that require heating,such as heat-shrinkable hoses and various plastics.

PACKING LIST ATTACHMENT

THE HOST	NOZZLE	POWER CABLE	DORMANT BRACKET	HEAT AIR HANDLE	INSTRUCTIONS
1	4	1	1	1	1

PRODUCT PERFORMANCE DESCRIPTION

1.This equipment adopts resistance wire heating,K-type thermocouple sensing closed loop microcomputer PID temperature control throughout the temperature control.With advance prediction,precise temperature control,multiple fault indication and safety protection measures.Temperature thermostat accuracy of not more than±2°C,linear distortion<±3.

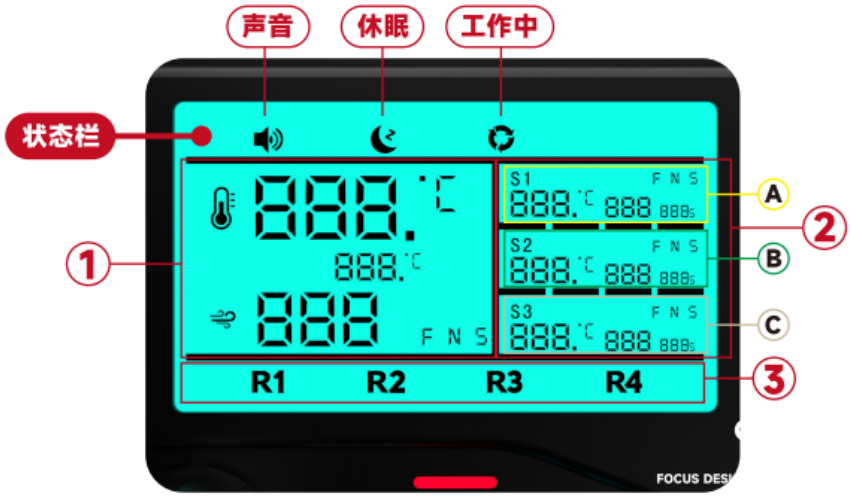
2.Air volume air supply adopts high-performance double ball turbo fan air supply,featuring low noise,Light weight,large air volume,high air pressure and long service life.The air volume can be adjusted,air volume adjustment range:10-150%.

3.The handle is equipped with a sensor switch,from the dormant bracket to remove the handle can quickly enter the work mode.The handle is put back into the dormant bracket,the system will cool down and send cold air into standby mode. Real-time operation is convenient,reduce energy loss to extend the service life of the heat generator.

4.The product has a unique active safety protection patented technology,3S fault judgment,not spontaneous combustion, anti-dry burning function,not burn the handle,there is a failure when the load is automatically cutoff.

5.The product has sound alarm function:Power on warning,constant temperature warning,dormant warning,not heat failure warning,handle off warning and other prompts.

6.The temperature of this product has a calibration function,open the calibration interface,adjust the temperature button to the actual temperature,you can save the corrected temperature,repeat until accurate.



STATUS BAR DESCRIPTION

Sound symbol: open to show,close to hide

Dormant symbol: hidden under normal working condition,when the handle senses hibernation,the hibernation symbol will be shown.

Working symbol: displayed when the machine is in normal working condition,hidden when the machine is in hibernation or not working normally.

OPERATION PROCEDURE

1. the power cord into the rear of the equipment power socket,open the equipment power switch
2. the digital tube displays “OFF”,at this time the desoldering station in the closed state
3. adjust the panel “AIR air volume” and “TEMP temperature” button to achieve the required air volume and temperature, desoldering table in the working state
4. take up the desoldering station handle,desoldering station out of standby mode,the panel indicator shows red,desoldering station normal heating work.
5. Pressing the R1/R2/R3/R4 buttons enables the switching of corresponding parameter memory.
6. Press the RW button to enter the curve operation mode.
7. when the handle is completely placed in the dormant bracket, at this time the desoldering station will auto-matically cut off the heating, send cold air to cool the heating wire. When the temperature is lower than 100°C, desoldering station into standby mode, the panel indicator shows green. At this time, the fan stops send-ing air, the load cut off, the digital tube shows “---"”

NOTE

Adjust the desired temperature and airflow when the desoldering station is in the off state(the digital tube displays “OFF”) or standbystate(the digital tube displays “-—-”)to avoid entering the working state when the set temperature or airflow is too high.

SETTING CHANNEL PARAMETERS

In any operating mode, the conventional memory channel can be switched to conventional memory mode by pressing R1/R2/R3/R4. When adjusting any temperature or air volume, the two parameters can be recorded into the conventional memory channel by holding down R1/R2/R3/R4.

In standby mode (when the hot air gun is operating, press the RW/SET button or place the handle on the stand to enter standby state), configure and save the curve memory channel parameters: Long press RW to enter setup mode, adjust parameters to corresponding curve mode settings via the airflow control knob, finalize configurations using the temperature knob, then long press RW again to save.

OPERATION INSTRUCTIONS



SOUND ON/OFF FUNCTION

Long press the RW/SET button to enter the setting,switch to the sound on/off function by the airflow button,and select to turn the sound on or off by the temperature button.



FAHRENHEIT/CELSIUS TOGGLE

Long press the RW/SET button to enter the setting,switch to Fahrenheit/Celsius conversion by the airflow button,and select Fahrenheit or Celsius display by the temperature button.



TEMPERATURE COMPENSATION

Long press the RW/SET button to enter the setting,switch to the temperature compensation parameter setting through the airflow button,increase or decrease the temperature compensation parameter through the temperature button,the compensation temperature range is 0-100.



TEMPERATURE CALIBRATION

Long press the RW/SET button to enter the setting,switch to temperature calibration via the airflow button,and adjust the temperature calibration parameter via the temperature button with a range of±99 degrees Celsius.



HEATING MODE SELECTION

Long press the RW/SET button to enter the setting,switch to the heating mode selection through the airflow button,and switch the heating mode through the temperature button:

F: Fast mode N: Normal mode S: Slow mode

Fast mode: average 100 temperature units heating up/cooling down time is 3s

Normal mode: average 100 temperature units warming up/cooling down time is 5s

Slow mode: average 100 temperature units warming up/cooling down time is 8s

THE USE OF SAFETY PRECAUTIONS

1. When using this machine, please ground the power supply reliably and well, in order to play the effect of static electricity removal. Do not close to flammable and explosive gases, paper or other flammable materials to prevent fire. This product works for high temperature heating gas, please pay attention to safety to prevent burs. Do not touch the heat pipe of the soldering station while it is in operation.Do not allow the airflow from the soldering station to come into contact with the skin.Do not touch the newly replaced nozzle with your hands.
2. The first use of the extraction of the welding table will be white smoke in the wind pipe is a normal phenomenon, work for a period of time can be eliminated.
3. This equipment with over-temperature protection, for safety reasons, the hot air extraction welding table temperature rises to 580 degrees well set off over-temperature protection, the controller will be forced to cut off the load so that it is no longer heated. And start over-temperature warning, display fault code: "ERR2" , when the temperature is cooled to a normal temperature or power failure troubleshooting restart, fault warning can be cleared.

SPECIFICATION

VOLTAGE	POWER	HOT AIR GUN TEMPERATURE RANGE	AIRFLOW RANGE	DISPLAY	MACHINE WEIGHT
220VAC	1200W	100°C-500°C	10%-150%	LCD NIXIE DISPLAY	2.18KG
110VAC	1000W				
CONSTANT TEMPERATURE PRECISION	THE FAN TYPE		THE FAN SPEED	HANDLE LINE LENGTH	
±2°C	HIGH SPEED BRUSHLESS TURBINE FAN		13000R/MIN	HANDLE LENGTH 800MM	

WARNING TIPS DESCRIPTION

This device has multiple fault protection,display prompts,sound and meaning warning function.The following is a brief description of the faults and keys that appear:

ERR1: Prompts that the heat generator is damaged or the polarity of the sensing wire is wrong.Please disconnect the power supply to solve the problem.
ERR2: high temperature of the heater or the handle falls off,please disconnect the power supply to solve the problem.
Display prompt function: power on,thermostat and device error will display different code prompts.Please remove the fault before clearing.

- **WARNING**

This equipment is a high temperature work tool,please pay attention to prevent burns when using.It must be guarded during operation and must not be used near flammable or explosive materials.Thank you for your use!