TA3X 系列多功能焊台(安全型)

TC3X series multifunctional soldering station（Enhanced safety)

使用说明书

User's Guide

Rev:1.01 2024/5/23

目录

1 注意事项

- 本产品使用三线接地插头，必须插入三孔接地插座内，接地不良时请使用接地线。
- 请勿弄湿焊台，禁止在潮湿环境下使用。
- 更换部件时，应采用原厂原件，切勿擅自改装焊台。
- 焊接时会有烟雾产生，工作环境应有良好的通风设施。
- 工作时注意液态锡飞溅，防止烫伤。
- 若长时间不使用本产品，请妥善放置干燥环境下。
- 烙铁头具有高温，极易灼伤，禁止用手触摸，不使用时请关闭电源。
- 烙铁头的敲击、跌落都可能会造成烙铁头损坏。
- 切勿使用烙铁头进行焊接以外的工作，应按照操作说明使用本产品。
- 焊台工作时外壳需要散热，请留有散热空间。

2 产品功能简介

1、 产品针对安全焊接具有漏电检测，接地连接检测，出现异常会提示。

2、 支持 T12、C210、C115、C245、C470（TA310）发热芯，具体参考硬件设备型号。

3、 IPS 彩屏（320*240），控温范围 100～480℃。

4、 PID 温度控制，温度稳定 ±1.5℃（稳定后）。

5、 温度记忆、三档快速温度设定。

6、 休眠（休眠座方式：将手柄置于烙铁架进入休眠，手柄没有震动 2 分钟之后进入休眠，低温保温延迟焊咀使用寿命，拿起手柄自动工作，默认 160℃）。

7、 停机（休眠后等待一段时间后停止加热，时间可设置，拿起手柄可恢复工作）。

8、 焊台温度实时曲线显示，显示温度与输出状态度曲线。

9、 焊台软件提供升级服务，功能不断完善。

3 产品参数

焊台主机参数：

产品型号	设置温度范围	工作环境温度	存放温度	烙铁头漏电电压	烙铁头接地电阻
TC305/TA310	100-480℃	0-45℃	-20-65℃	接地后小于 25mV	小于 1Ω

产品型号	输入电压	输入电流	最大功率	主机重量	主机尺寸(mm)
TA305	AC110V/AC220V	1.5A	150W	1.7Kg	L160*W100*H70
TA310	**(根据设备标识)**	3A	350W	3.5Kg	L200*W136*H94

支持工具参数：

发热芯型号	手柄型号	温度范围	功率
T12	T12	100-480℃	65W-75W
C245	T245		130W-170W
C470(仅 TA310 支持)	T470、T245		260W-350W
C210	T210		35W-65W
C115	T115		25W-35W

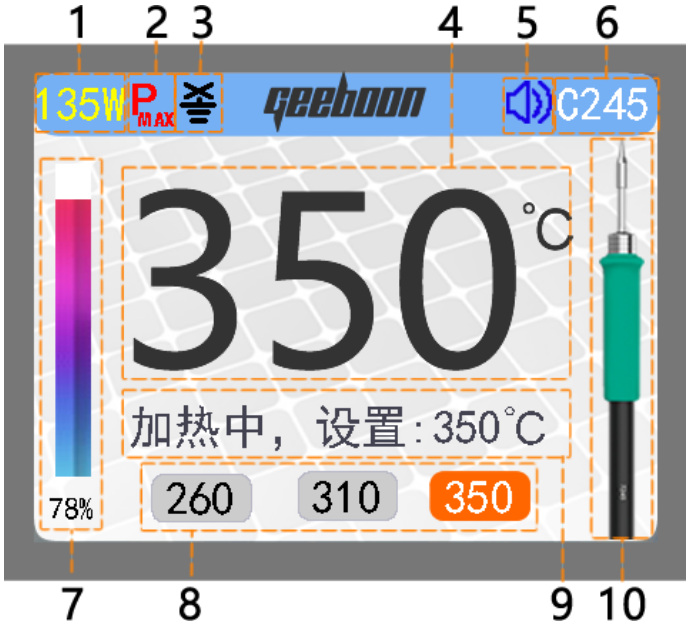
4 产品介绍

4.1 外观介绍

1	**USB-TYPEC 接口** 仅用来升级焊台
2	**操作按键** 4 个操作按键，多功能操作
3	**2.8 寸彩色屏幕** TFT 真色彩 320*240
4	**工具插口** 插入焊接手柄
5	**休眠接口** 连接休眠座
6	**接地接口** ESD 接地线
7	**AC 供电输入** 交流电压输入，根据机器标识电压使用
8	**保险丝插座** 3A250V
9	**电源开关** 开启/关闭电源

4.2 界面介绍

默认界面

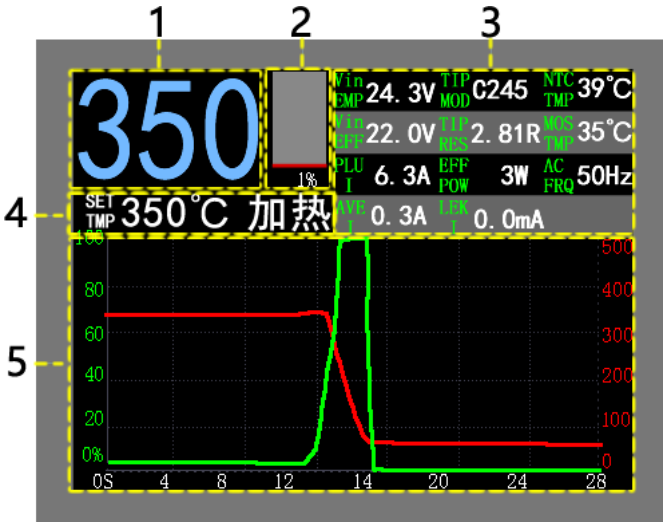


1 加热功率
2 功率限制标志
3 地线异常标志
4 当前温度
5 蜂鸣器开启标志
6 工具类型标志 C245/C210/T12/C115/C470
7 功率占比条
8 快捷温度选择
9 设置状态
10 工具图片

休眠界面：

停机界面：

曲线图表



1 工具温度
2 功率条
3 状态表
4 设置温度与状态
5 温度曲线 最大温度 500，功率调最大 100% 时间轴单元格 2 秒
状态表依次为：空载电压、烙铁头类型、设备内部温度、工作脉冲有效值电压、负载阻值、功率器件温度、 脉冲电流、负载功率、电源频率、平均电流、漏电流

4.3 主要操作

4.3.1 工具安装

C245 发热芯安装

安装：将发热芯插入手柄，手柄插入焊台。

C210 发热芯安装

安装：将发热芯插入手柄，手柄插入焊台。

T12 发热芯安装

安装：取下锁紧帽，插入发热芯，拧紧锁紧帽。

4.3.2 温度调节

开机进入显示界面，按键向下调温度，按键向上调温度，单次按下调整一个温度步进值（默认 5℃，进入菜单可修改步进值），长按连续调整。

单次按下ESC/CH快捷温度切换。

单次按下MENU切换标准界面与曲线界面。

4.3.3 进入菜单

长按MENU按键，进入主机菜单设置主机相关参数，同时具有确认选择功能。按键向下调整，按键向上调整，ESC/CH退出参数设置或返回上一级菜单

进入选项，按键可改变选项及数值。

5 菜单信息

5.1 主机设置

主机设置信息参数，具体见下表：

菜单名称	功能	备注
设定最大温度	调整温度的最大值 设置范围：200-480℃	默认：480
设定最小温度	调整温度的最小值 设置范围：100-180 ℃	默认：100
默认主题：	设置开机显示的界面 标准/曲线图表	默认：标准

调整温度步进值	一次按下调整值，设置范围：1-10℃	默认配置:5℃
蜂鸣器音量	设置蜂鸣器声音大小 设置范围：0-10	设置为 0 没有声音
小功率加热模式	用于设置 C210/C115 的脉冲加热方式 FullWave_25Hz 1/4 Wave_100Hz	FullWave_25Hz：采用每秒最大 25Hz 的脉冲加热，每次加热使用一个完整半波。 1/4 Wave_100Hz：采用斩波方式加热，每个加热脉冲使用 1/4 有效值加热。 默认：1/4 Wave_100Hz
屏幕亮度	设置屏幕显示亮度 设置范围：1-10	1：亮度最低 10：亮度最高
语言	设置系统语言模式：中文/English	
温度锁	开启后在用户界面不能修改温度 设置范围：使能/关闭	默认：关闭
密码使能	开启后进入菜单需要输入密码 设置范围：使能/关闭	默认：关闭
密码修改	修改菜单密码	默认：0000

5.2 工具设置

自动识别工具类型，菜单加载当前工具参数，当未插入工具时此菜单不显示：

菜单名称	功能	备注
休眠设定温度	进入休眠条件后，焊台的目标温度： 设置范围：100-最大值 ℃	默认：160
休眠等待时间	当设置为震动传感器模式时，传感器静止等待进入休眠的时间 设置范围：0-30 分钟	默认：2 设置 0,不进行休眠
停机等待时间	当焊台进入休眠模式后，等待此设定时间后停止加热； 设置范围：0-30 分钟	默认：10 设置 0 时不停机
快捷温度设置	详见 5.2.1	
温度偏移	将当前实际温度做一个偏移值 设置范围：±50℃	默认：0℃
温度标定	详见 5.2.2	
PID 设置	详见 5.2.3	
动态温度补偿	5.2.4 动态温度补偿	
功率休眠阈值	仅设置功率休眠时可用，检测烙铁有没工作阈值，如果在休眠等待时间内没有超过这个阈值，进入休眠状态	T12:20W C245:20W C210:15W C115:15W

5.2.1 快捷温度设置

主界面显示快捷温度选项，按下MENU切换快捷温度。

菜单名称	功能	备注
快捷温度使能	开启/关闭快捷温度功能	关闭后标准面不显示
快捷温度 1	快捷温度的第一个温度值	
快捷温度 2	快捷温度的第二个温度值	
快捷温度 3	快捷温度的第三个温度值	

5.2.2 温度标定

温度设定	功能	备注
标定 150˚C	调整热电偶 150˚C的信号值	需要测量温度见界面
标定 250˚C	调整热电偶 250˚C的信号值	需要测量温度见界面
标定 350˚C	调整热电偶 350˚C的信号值	需要测量温度见界面
标定 450˚C	调整热电偶 450˚C的信号值	需要测量温度见界面

进入温度标定界面，会出现稍等调整中，当调整到标定温度点时，显示测量温度为：xxx˚C（这个温度为热电偶值与冷端值之和），此时测量温度如果高于显示温度，向下调整；低于显示温度，向上调整。调整结束后再次测量，如果温度相同，按下MENU保存温度。

正在调整校准点温度到达校准点，需要稍等一会

此时使用测温仪测量温度，偏差时请调整

5.2.3 PID 设置

使用时一般只需要载入默认配置即可，如果对效果不满意支持自行调节。

注：调节 PID 控制参数时需了解其工作原理，否则易导致系统不稳定。

菜单名称	功能	备注
Kp	比例调节系数 设置范围：1-1000	在 PID 调节器中起到加快系统的响应速度，提高系统的调节精度，快速调节误差的作用。
Ki	积分调节系数 设置范围：1-1000	在 PID 调节器中起到消除残差，调节稳态时间的作用。
Kd	微分调节系数 设置范围：1-1000	在 PID 调节器中起到改善系统的动态性能，预测误差趋势，提前修正误差的作用。
PID 控制带	PID 调节介入误差范围 单位:℃ 设置范围：1-1000	例：参数设置为 50℃ 目标温度设置为 350℃ 温度低于 300℃时控制器退出 PID 进行全速加热，高于 400℃退出 PID 停止加热。

5.2.4 动态温度补偿

动态温度补偿用来补温温度传感器与烙铁尖之间温度差，在大功率输出下烙铁尖与温度检测位置存在温差较大，通过输出功率判断给出一个补偿温度，动态提高温度补偿烙铁尖温度，使烙铁尖温度更接近设定温度。

当功率下降到触发功率以下，退出补偿。

升温过程中不进行温度补偿。

菜单名称	功能	备注
动态补温使能	开启/关闭 动态补温功能	默认：关闭
触发功率	补偿进入的最小功率 设置范围：1-100（W）	默认： C115:10W C210:10W C245:30W C470:60W T12:25W
最小补偿温度	介入补偿后最小提升的温度 设置范围：1-100（℃）	默认：5℃
最大补偿温度	介入补偿后最大提升的温度 介入补偿后最小提升的温度 设置范围：1-100（℃）	默认：50℃
补偿系数	补偿温度与当前输出功率关系	补偿温度=最小补偿温度+（当前功率-触发功率）*补偿系数；补偿温度大于最大补偿温度时，设置为最大补偿温度

5.2 恢复出厂

所有设置全部恢复到出厂时的配置。

5.4 关于

显示设备的版本信息及厂商信息。

6 固件升级

系统要求：Windows7、Windows10，无需软件。

从官方获取升级（.gbn）文件，存放至电脑。

通过 Type-C 数据线与焊台 USB 口连接，焊台显示 USB ON，待计算机识别到 U 盘后，将升级文件(.gbn)拷贝至 U 盘，主机屏幕下方显示升级进度，直到出现 UPDATA SUCCESS，此时升级完成，拔掉 USB 线即可使用。

如若升级失败，请使用 Windows 安全模式更新。

升级有风险，可能会出现不能工作,请联系返厂。

7 常见问题

错误 1：无工具	未插入手柄、工具上未安装发热芯、发热芯损坏、工具连线不良、手柄或发热芯未插接好。
错误 2：工具错误	插入的发热芯不能识别、发热芯未安装好。
错误 3：过流保护	发热芯损坏短路、发热芯安装不到位、工具接线损坏短路。
错误 5：工具开路	工具发热丝断开、发热芯安装不到位、手柄线不良。

错误 4：TC 错误	工具热电偶检测错误，手柄接线错误，发热芯损坏。
错误 6：工具保护	工具加热状态不正常、发热芯不能加热、工具处于液体中、发热芯未安装好。
提示：安全保险异常	设备出现过带电操作，内部安全保护保险丝熔断，请联系厂家处理。
提示：注意工具漏电	设备烙铁头有电流流过地线，注意焊接对象是否带电。
屏幕不亮	检查电源，查看电源灯
温度值大幅度跳动	新发热芯需要老化、发热芯损坏

8 产品售后

设备自购买日期起(以购买凭证为准)主机保修一年，手柄、发热芯、烙铁架保修一个月。

保修服务只限于正常使用下有效。一切人为损坏,例如使用不适配的配件、不依照说明使用、非经本公司授权维修、错误使用等造成的损坏不提供免费保修服务。

9 技术支持联系方式

西安极博星电子科技有限责任公司

地址：陕西省西安市新城区咸宁中路 49 号

官方网站：www.geeboon.com

技术支持电话：18617365851

邮箱： geeboon@foxmail.com

1 Precautions

- This product uses a three-wire grounding plug, which must be inserted into a three-hole grounding socket . If the grounding is not good, please use the grounding wire.
- Do not get the soldering station wet, and it is forbidden to use it in a wet environment .
- When replacing parts, the original parts should be used, and the soldering station should not be modified without authorization.
- Smoke will be generated during welding, and the working environment should have good ventilation facilities.
- Pay attention to liquid tin splashing during work to prevent burns.
- If you do not use this product for a long time, please place it in a dry environment.
- The tip of the soldering iron has high temperature and is easy to burn . It is forbidden to touch it with hands. Please turn off the power when not in use .
- Knocking and dropping of the soldering iron tip may cause damage to the soldering iron tip.
- Do not use the tip of the soldering iron for work other than soldering, and use this product according to the operating instructions.
- the soldering station is working, the shell needs to dissipate heat, please leave space for heat dissipation.

2 Product Function Introduction

1. The product has leakage detection and ground connection detection for safe welding, and prompts will be given if any abnormality occurs.
2. Support T12,C245,C210 C470 soldering iron tip,please refer to the hardware device model for details.
3. Color screen (320*240),temperature control range 100 ~ 480℃.
4. PID temperature control, the temperature is stable at ±1.5°C (after stabilization) .
5. Temperature memory, three temperature level.
6. Shut (Sleep stand mode: put the handle on the soldering Sleep stand to enter sleep , the handle will enter sleep after 2 minutes without vibration, low temperature insulation delays the service life of the welding tip,pick up the handle to work automatically , the default is 160℃).
7. Shutdown(stop heating after a period of time after hibernation, the time can be set).
8. the temperature of the soldering station shows the curve of temperature and output status.
9. The soldering station software provides upgrade services, and the functions are constantly improved.

3 product parameters

Soldering station host parameters:

Station Model	Select Temperature range	Working environment temperature	Storage temperature	Tip leakage voltage	Tip grounding resistance
TC20A/TC21A	100-480℃	0-45℃	-20-65℃	Less than 10mV	Less than 1Ω
TC20B/TC21B					

Station Model	Input voltage	Current	Peak Power	Weight:	Size (mm)
TA305	AC110V/ AC220V	1.5A	150 W	1.7Kg	L160*W100*H70
TA310		3A	350W	3.5Kg	L200*W136*H94

Tool parameters:

Tip Model	Handle model	Temperature range	Power
T12	T12	1 00-480 ℃	6 5W-75W
C245	T245		130W - 170W
C470 (supported TA310)	T470 , T245		
	2 6 0 W -3 5 0 W		
C210	T 210		35W -65W

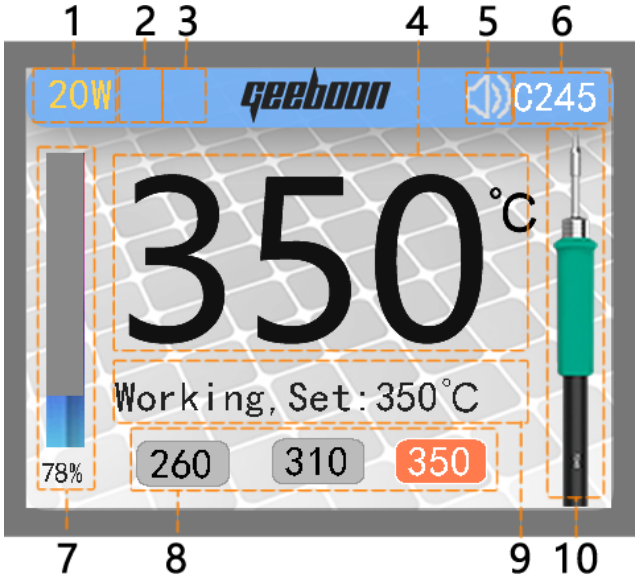
4Product introduction

4.1 Appearance introduction

1	**USB - TYPEC interface** Only used to upgrade the soldering station
2	Operation buttons 4 operation buttons, multi-function operation
3	2.8 inch color screen TFT true color 3 20*240
4	Tool socket Insert welding handle
5	Sleep interface Connect to sleep station
6	Grounding interface ESD ground wire
7	AC power input AC voltage input, use according to the voltage marked on the machine
8	Fuse socket
9	switch Power on/off

4.2 Interface Introduction

Default interface

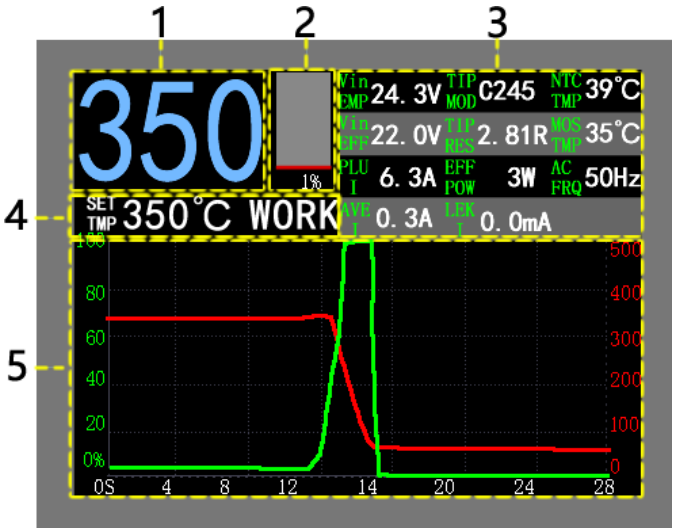


1 Heating power
2 Power limit flag
3. Abnormal ground wire sign
4 Current temperature
5 Buzzer on sign
6 Tool type markings C245/C210/ T12/ C115/C470
7 Power ratio bar
8 Quick temperature selection
9 Set Status
10 Tools Pictures

Sleep interface:

Shutdown interface:

Curve chart



1 Tool temperature
2 Power Bars
3. State Table
4Set temperature and status
5 Temperature curve Maximum temperature 500 , power adjustment maximum 100 %,Timeline cell 2 seconds
The status table is as follows: no-load voltage, soldering iron tip type, internal temperature of the device, working pulse effective value voltage, load resistance , power device temperature, pulse current, load power, power frequency, average current, leakage current

4.3.1 Tool installation

C245/C470Soldering iron tip installation	C210 Soldering iron tip installation
Installation: Insert the Soldering Iron Tip into the handle, and insert the handle into the soldering station.	**Installation: Insert the Soldering Iron Tip into the handle, and insert the handle into the soldering station.**
	

T12 Soldering iron tip installation	
Installation: Remove the locking cap, insert the Soldering Iron Tip, and tighten the locking cap.	

4.3.2 Temperature regulation

Turn on the device and enter the display interface. Press the button to adjust the temperature downwards and upwards. Press once to adjust a temperature step value (the default is 5° C, and the step value can be modified by entering the menu) . Long press to adjust continuously .

Single press for ESC/CH quick temperature switching.

A single press MENU switches between the standard interface and the curve interface.

4.3.3 Enter the menu

Long press MENU the button to enter the host menu to set host related parameters , and also has the function of confirming the selection. Press the button down to adjust, press the button up to adjust, ESC/CH exit parameter setting or return to the previous menu

Enter the options and Press the button to change the options and values.

5 menu information

5.1 Station

Host setting information parameters, see the following table for details:

menu name	Function	Remark
Set max temp	Adjust the maximum temperature Setting range: 200-480 ℃	Default: 480
Set min temp	Adjust the minimum temperature Setting range: 80-180 ℃	Default: 100
Set Temp step	Adjust the temperature, the temperature value adjusted by one unit	Default configuration : 5℃

	scale Setting range: 1-10℃	
Peak power	Host limits power output Setting range: 100-Peak Power W	Default configuration: TC20A:240W TC20B:380W
theme	Set the theme interface displayed by default Default/Curve Chart	Default: Standard
Buzzer volume	Set the volume of the buzzer sound Setting range: 0-10	Set 0 for no sound
Low power heating mode	the pulse heating mode of C210 /C115 Full Wave_25Hz 1/4 Wave_100Hz	Full Wave_25Hz : Uses pulse heating at a maximum of 25 Hz per second , using a full half wave for each heating. 1/4 Wave_100Hz : Chopping heating is adopted, and each heating pulse uses 1/4 effective value for heating. Default: 1/4 Wave_100Hz
LCD brightness	Set LCD screen display brightness Setting range: 1-10	1:minimum brightness 10:maximum brightness
Language	Set system language mode 中文/Enlish	
Temp Lock	Temperature cannot be modified in the user interface after Enable. range:Enable/Disable	Default: Disable
PIN Enable	Enable, entering the menu requires entering PIN Code. Enable/Disable	Default: Disable
PIN Change	Change menu PIN code	Default: 0000

5.2 Tools

The tool type is automatically identified, and the menu loads the current tool parameters. This menu does not display when no tool is inserted:

menu name	**Function**	**Remark**
Set Sleep Temp	After entering the sleep mode, the target temperature of the Tool: Setting range: 0 - maximum value	Default: 160
Delay Sleep time	Shock sensor mode:the sensor is still waiting for the time to enter sleep. Sleep stand mode: handle in stand to	Shock sensor mode: Default:60.Set to 0,do not sleep Sleep stand mode:

	delay time. Unit: Second Setting range: 0 -2000	Default:60.Set to 0,handle in stand do not delay.
Delay Shut time	When the soldering station enters sleep mode, wait for the set time and stop heating; Unit: minute Setting range: 0-30	Default: 10 Set to 0 , do not shut
Sleep mode	① Shock sensor: Applicable to the handle connected with the vibration sensor, relying on the countdown of the dormancy time to enter the dormancy. ② Sleep stand: It is suitable for the dormant signal to be connected to the dormant seat. When the handle is placed in the dormant seat, the handle enters the dormant state. ③PDST: Through power detection, it can be judged that the soldering station is working, and the threshold can be set; when it wakes up after sleep, it needs to be touched with a wet sponge, and the temperature wakes up to detect whether there is a wake-up signal.	default: T12 : Shock sensor C245\C210\C115\C470: Sleep stand
Temp level	See 5.2.1 for details	
Offset Temp	Make an offset value of the current actual temperature Unit: ℃	Default: 0
Calibration	See 5.2.2 for details	
PID	See 5.2.3 for details	
PDST Value	only available when the power is set to sleep. It detects whether the soldering iron has a working threshold. If it does not exceed this threshold during the sleep waiting time, it enters the sleep state.	

5.2.1 Quick temperature setting

The main interface displays shortcut temperature options, press the MENU to switch the shortcut temperature.

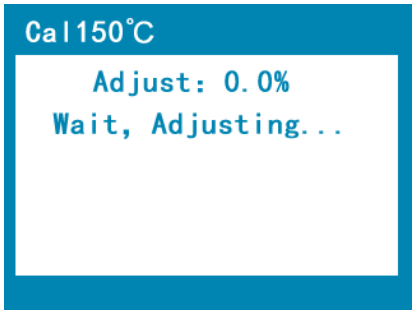
menu name	Function	Remark
Temp level Enable	Turn Disable/Enable the shortcut	The standard surface is not displayed after closing

	temperature function	
Temperature level 1	The first temperature value of the shortcut temperature	
Temperature level 2	The second temperature value of the shortcut temperature	
Temperature level 3	The third temperature value of the shortcut temperature	

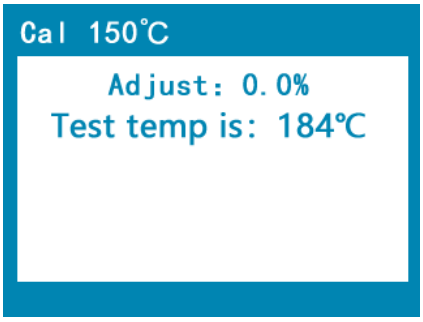
5.2.2 Temperature Calibration

menu name	Function	Remark
Cal 150 ℃	Adjust the signal value of thermocouple 150 ℃	Need to measure temperature see interface
Cal 250 ℃	Adjust the signal value of the thermocouple 250 °C	Need to measure temperature see interface
Cal 350 ℃	Adjust the signal value of the thermocouple 350 °C	Need to measure temperature see interface
Cal 450 ℃	Adjust the signal value of the thermocouple 450 °C	Need to measure temperature see interface

Enter the temperature calibration interface, it will appear that the adjustment is waiting, when it is adjusted to the calibration temperature point, it will display the measured temperature as: xxxs℃ (this temperature is the sum of the thermocouple value and the cold junction value), and measure the temperature at this time, if the temperature is high When the temperature is displayed, downward adjustment; if it is lower than the displayed temperature, upward adjustment; measure after adjustment, if the temperature is the same, press the MENU to save the temperature.



The temp of the calibration point is being adjusted to reach the calibration point, it will take a while.



At this time, use a thermometer to measure the temperature. If it is not on time, please adjust it.

5.2.3 PID

Generally, you only need to load the default configuration when using it. If you are not satisfied with the effect, you can adjust it yourself.

Note: When adjusting PID control parameters, it is necessary to understand its working principle, otherwise it will easily lead to system instability.

menu name	Function	Remark
Kp	Scale adjustment coefficient Setting range: 1-1000	In the PID regulator, it can speed up the response speed of the system, improve the adjustment accuracy of the system, and quickly adjust the error.

Ki	Integral adjustment coefficient Setting range: 1-1000	In the PID regulator, it can eliminate the residual error and adjust the steady state time.
Kd	Differential adjustment coefficient Setting range: 1-1000	In the PID regulator, it can improve the dynamic performance of the system, predict the error trend, and correct the error in advance.
PID control zone	adjustment intervention error range Setting range: 1-1000℃	Example: The parameter is set to 5 0°C The target temperature is set to 3 50°C the temperature is lower than 300 degrees Celsius, the controller exits PID for full-speed heating, and when the temperature is higher than 400 degrees Celsius, exits PID and stops heating.

5.2.4 Dynamic temperature compensation（DTC）

temperature compensation

Dynamic temperature compensation is used to compensate the temperature difference between the temperature sensor and the soldering iron tip. Under high power output, the temperature difference between the soldering iron tip and the temperature detection position increases. A temperature compensation is given by judging the output power, and the dynamic compensation temperature increases the temperature of the soldering iron tip. Temperature, so that the temperature of the soldering iron tip is closer to the set temperature.

When the power returns below the trigger power, exit the compensation.

No temperature compensation is performed in the second pass.

Maximum compensation temperature The maximum temperature increase after intervention in compensation

menu name	Function	Remark
DTC Enable	Turn Disable / Enable the dynamic supplementary temperature function	Default: Disable
DTC Inter	Minimum power to trigger power compensation entry	Default: C115:10W C210:10W C245:30W C470:60W T12:25W
DTC Min Temp	Minimum compensation temperature The minimum temperature raised after compensation is involved	Default:5℃
DTC Max Temp	Maximum compensation temperature The maximum temperature increase after intervention in compensation	Default:50℃
DTC Ratio	Compensation coefficient The relationship between	Compensation temperature = minimum compensation temperature + (current power - trigger power) *

	compensation temperature and current output power	compensation coefficient; when the compensation temperature is greater than the maximum compensation temperature, set it to the maximum compensation temperature

5.3 Change Theme

Switch between Graphics interface and standard interface.

5.4 Restore

All settings are restored to factory defaults.

5.5 About

Displays the version information and manufacturer information of the device.

6Firmware upgrade

System requirements: Windows 7 , Windows 10 , no software required.

Get the upgrade (. gbn) file from the official website and save it to your computer.

Connect the USB port of the soldering station via the Type -C data cable . The soldering station will display USB ON . After the computer recognizes the USB flash drive, copy the upgrade file (.gbn) to the USB flash drive. The upgrade progress will be displayed at the bottom of the host screen until UPDATA appears. SUCCESS, the upgrade is complete, unplug the USB cable and you can use it.

If the upgrade fails, please use Windows safe mode to update.

Upgrading has risks and may cause the product to not work properly. Please contact the factory to return the product.

7FAQs

Fault 1: No Tools	The handle is not inserted, the Soldering Iron Tip is not installed on the tool, the Soldering Iron Tip is damaged, the tool is not well connected, and the connection is not good
Fault 2 : Tool Error	inserted Soldering Iron Tip cannot be recognized, and the Soldering Iron Tip is not installed properly
Fault 3: Overcurrent Protection	The Soldering Iron Tip is damaged and short circuited, the Soldering Iron Tip is not installed properly, and the tool wiring is damaged and short circuited
Fault 4: Tool Protection	The heating state of the tool is abnormal, the Soldering Iron Tip cannot be heated, and the tool is in liquid
Error 5: Tool open circuit	The tool heating wire is disconnected, the Soldering Iron Tip is not

	installed properly, or the handle line is defective.
Error 4 : TC error	Tool thermocouple detection error, handle wiring error, Soldering Iron Tip damage.
Screen is off	Check if the device is in the off-screen state Check the power supply, look at the power light
Tip: Safety insurance exception	The device has been operated with power on and the internal safety protection fuse has blown. Please contact the manufacturer for repair.
Tip: Pay attention to tool leakage	There is current flowing through the ground wire of the equipment's soldering iron tip, so pay attention to whether the object being welded is electrified.
The temperature value jumps sharply	The new Soldering Iron Tip needs aging, and the Soldering Iron Tip is damaged

8 After-sales service

From the date of purchase of the equipment (subject to the purchase certificate), the station is guaranteed for one year , and the handle, Soldering Iron Tip, and soldering iron stand are guaranteed for one month .

Warranty service is only valid under normal use. All man-made damages , such as the use of unsuitable accessories , use not in accordance with the instructions , repairs not authorized by the company , wrong use , etc. , do not provide free warranty service.

9 Technical support contact information

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