Pro'sKit®

CE ESD SAFE RoHS COMPLIANT CHARGING USB

SS-256 LCD Smart Soldering Station

Thank you for purchasing the *Pro'sKit®* SS-256 LCD Smart Soldering Iron Station. Please read this manual before operating the SS-256.
Please store the manual in a safe, easily accessible place for future reference.

Features

- Large screen with backlight, LCD contrast and brightness are adjustable.
- Designed with functional manual and shuffle knob for easy setting, more convenient and user friendly.
- Comes with high end quad-wire heating element for heat fast recovery.
- Microprocessor controlled provide best performance and accurate temperature control.
- Temperature calibration function.
- Auto sleep and wake up function, system lock, tip calibration and low consumption.
- 3 data memories store and recall frequently used temperature values.
- Built-in DC 5V/1A USB port for power supply.
- Complies with CE and ESD standard, conform to RoHS.
- Comes with UL Certified Wires.
- Silicone handpiece cord wire heat-resistant up to 200°C.
- Resettable fuse protection design.

Packing List

Please check the contents of the soldering station package and confirm that all the items listed below are included.

Soldering Station……….……………1
Iron Stand（with cleaning sponge）.1
Soldering Iron………….…………….1
Power Cord……………….......………1
Alligator Clip Grounding Wire………...1
User's Manual…………...…….………1

Specifications

Model No.	SS-256E	SS-256B	SS-256H	SS-256C
Input Voltage (ACV)	110~120V 60Hz	220~240V 50Hz	220~240V 50Hz	240V 50Hz
Control system	Microprocessor-controlled			
Power consumption	60W			
Output voltage	24 VAC			
LCD Display	73mmX40mm, Backlight			
Temperature range	200~480°C /392℉~896℉			
Temperature calibration	100~699℃(212~1290℉),Adjustment			
Temperature stability	±2℃/±36℉ (no load)			
Heating element	Alumina ceramic heater			
Plug	E	B	H	C
Sleep mode	OFF & 1~240min adjustment			
Temperature of sleep mode	200℃/392℉			
USB port output	DC 5V/1A			
Memory setting	3set			
Temperature lock function	yes			
Replacement heater	9SS-900N-HT			
Replacement soldering iron	9SS-256-SI			
Tip-to-ground resistance potential	≦2Ω/≦2mV			
Size (mm)	180 x 150 x 106mm			
Weight	2.1kg			
Package	Color Box			

Soldering Iron Holder
Sponge
Soldering Iron Port
5V/1A USB port
Shuffle Knob
Power
Soldering Iron
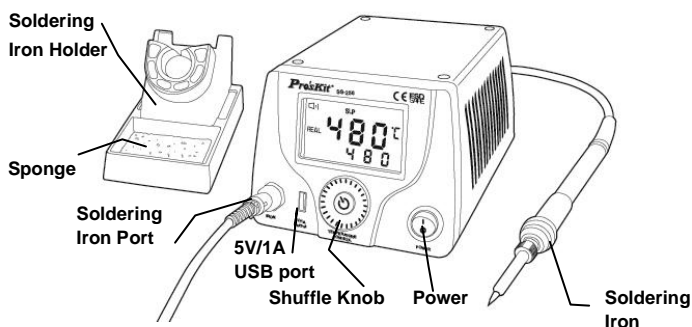
LCD Display

function description
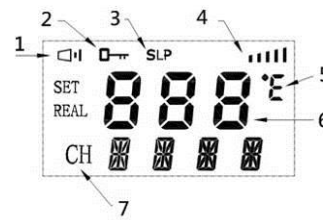
1. Current beep on or off
2. Temperature lock
3. Current sleep mode
4. Power display
5. Temperature unit
6. Current Temperature
7. Temperature memory setting

Setting up & operating the soldering station

Start to use

Turn on the soldering station, LCD screen will display main menu (see fig.1) after three seconds, last set temperature will display. (see fig.2)
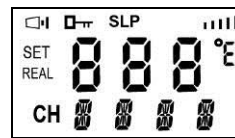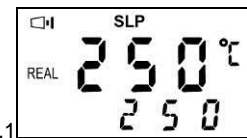
 Fig.1
 Fig.2

Temperature setting

In the main menu, rotate around the shuffle knob in clockwise direction to increase temperature, counter clockwise direction to decrease temperature

Temperature memory choose

In the main menu, press the center of shuffle knob, CH1/CH2/CH3 will twinkling (see fig.3), rotate around the shuffle knob to choose the temperature needed, press the center of shuffle knob again to save.
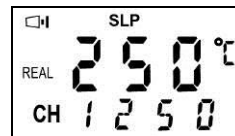
 Fig.3

Function setting menu

Press 3 seconds of shuffle knob into the function setting menu. (see fig.4) The first function setting is TEMP , rotate around the shuffle knob in clockwise direction can be converted into the other function setting.
Function order of priority :
TEMP→UNIT→SLP→BEEP→LIGH→CODE→EXIT→back to TEMP
Press shuffle knob again, choose the function needed.

 Fig.4

TEMP：Temperature memory setting (Fig.5)

Choose the "TEMP" function setting. Press knob into channel selection mode. Rotate around the shuffle knob to choose CH1/CH2/CH3, press knob again to the temperature setting , rotate around the shuffle knob in clockwise direction to increase temperature, counter clockwise direction to decrease temperature. Press knob to the next menu, rotate around the shuffle knob and choose the " Exit" save the temperature and exit the menu.

 Fig.5

UNIT: Fahrenheit and Centigrade Selection (Fig.6)

Choose the "UNIT" function setting. Press knob into temperature unit selection mode, rotate around the knob , select "Fahrenheit" or "Centigrade" unit, Press knob to the next menu, rotate around the shuffle knob and choose the " Exit" save the temperature unit and exit the menu.
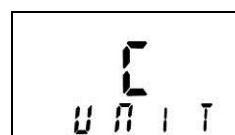
 Fig.6

SLP：Auto sleep mode setting (Fig.7)

1 Choose the "SLP" function setting. Press knob into sleep selection mode. rotate around the shuffle knob to setting, sleep timer is adjustable from 1~240 minutes or setting "OFF" stop sleep mode activate ,after setting ,press knob to the next menu, rotate around the shuffle knob and choose the " Exit" save and exit the menu.

2. In sleep mode ,the heater temperature will down to the 200℃ , If need to start soldering, press knob to wake up, temperature will rise to setting temperature.
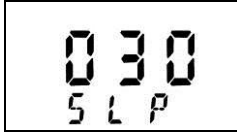

Fig.7

BEEP：Beep setting (Fig.8)

Choose the "BEEP" function setting. Press knob into beep selection mode. rotate around the shuffle knob to setting switch "ON" or "OFF" mode ,after setting ,press knob to the next menu, rotate around the shuffle knob and choose the " Exit" save and exit the menu.
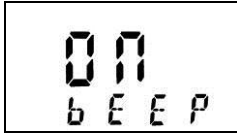When beep is setting "ON" mode, press knob will have key beep.

Fig.8

LIGH：LCD screen brightness adjustment (Fig.9)

Choose the "LIGH" function setting. Press knob into LCD screen brightness adjustment mode. rotate around the shuffle knob to setting brightness 0~9 ,after setting ,press knob to the next menu, rotate around the shuffle knob and choose the " Exit" save and exit the menu.
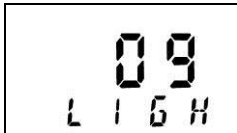

Fig.9

CODE: Temperature passcode setting (Fig.10)

1. Choose the "CODE" function setting. Press knob into Passcode selection mode. rotate around the shuffle knob input the old code and new code ,after setting ,press knob to the next menu, rotate around the shuffle knob and choose the " Exit" save and exit the menu.
2. In the main menu, press 3 seconds of shuffle knob, input the passcode, into the function setting menu, now can start to do any setting.
3. Cancel passcode : In the main menu, press 3 seconds of shuffle knob, input the passcode, into the function setting menu, follow the procedure 1 reset new code "000" .
4. After setting, press knob to the next menu, choose the "Exit" save the setting and exit the menu.
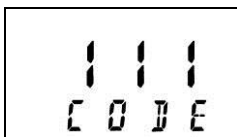⚠ **CAUTION:** Factory initial setting is "000", this code without lock function.

Fig.10

EXIT：Save and Exit (Fig.11)

Fig.11

Temperature Calibration Set

The soldering iron should be recalibrated after changing the iron, or replacing the heating element or tip.
1 In the main menu, press knob for 6 seconds into the "CALI " mode (see Fig.12), rotate around the shuffle knob and input the real temperature.

Press knob to save the temperature and exit back to the main menu.

Fig.12

2 Calibrating the iron temperature

Setting the soldering iron station temperature to 350℃, when the

temperature stabilizes, use soldering iron tip thermometer measurement

and record tip real temperature, enter the real temperature in the "CALI" state ,soldering iron station will calculate temperature.

3 CALI. Status description

3.1. When "CALI" status display "- - -"(see Fig 13),it means temperature have not calibration.

Fig 13

3.2. When "CALI" status display "H" or "HH" (see Fig 14.),it means "Real Temp." has calibrated and increase temperature.
For example :"set.Temp"is 350℃, "Real Temp."is 320℃, after temperature calibration as Fig 12.,temperature will rise to 350℃.
3.3. When "CALI" status display "L" or "LL" (see Fig 15.),it means "Real Temp." has calibrated and decrease temperature.

Fig 14

Fig 15

3.4. When "CALI" status display "HHH" (see Fig 16.),it means "Real Temp." has calibrated to max. temperature, can not increase anymore, but it can decrease temperature.
3.5 When "CALI" status display "LLL" (see Fig 17.),it means "Real Temp." has calibrated to minimum temperature, can not decrease anymore, but it can increase temperature.

Fig 16

Fig 17

Reset

In the main menu, press knob for 9 seconds into the "REST " mode, initial setting is "NO" (see Fig18), rotate around the knob , choose "YES" (see Fig 13) and press knob confirm it, Press knob to save and exit back to the main menu.

Fig 18

Passcode forgot and reset

If forgot passcode, turn off the power, press knob and power in the same time,), input passcode "888" , the soldering iron station will reset passcode become"000".

For further more detailed information, please visit Pro'skit website http://www.prokits.com.tw
or scan the QR code

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