

Intelligent Constant Temperature Soldering Station with Smoke Absorber

INSTRUCTION MANUAL

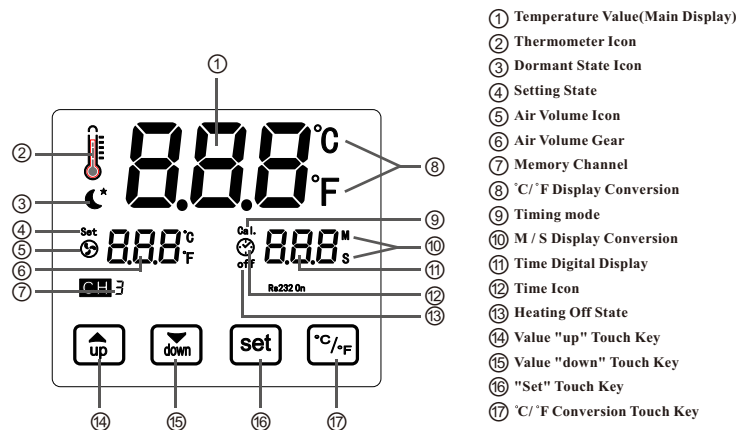
I. PRODUCT FEATURES

1. Sensor closed loop, microcomputer zero-crossing detection, wide view LCD touch screen display, high power, rapid temperature rise, convenient temperature adjustment and accurate and stable.
2. It has three memory channels: CH1, CH2 and CH3. It can customize the temperature, air volume and time of each channel. One button is convenient for switching between different working states.
3. Adjustable air volume of smoke absorber, healthy operation, easy placement.
4. The heating element is powered by a low-voltage AC power supply, completely isolating the power grid, ensuring anti-static, no leakage, and no interference.
5. The handle is particularly light and comfortable, and it feels comfortable for a long time without fatigue.
6. The handle of the soldering iron is connected to the temperature control station with an air joint and a high temperature and antistatic antimony rubber (silica gel) cable.
7. The heating element is made of high-precision temperature sensing elements, and the temperature regulation is more sensitive and precise.
8. Removable sponge for easy replacement.
9. The handle uses a high sensitivity sensor, and the host sets the delay function.
10. The Set-top LED lighting design, is convenient for using in low-light scenes.

II. SPECIFICATIONS

Input Voltage	AC 220V±10% 50Hz
Output Voltage	AC 24V
Total Power	85W
Work Noise	≤45dB
Temp. Range	100℃~500℃
Setting Mode	Touch screen
Temp. Stability	±1℃
Display Mode	LCD
Environment Temp.	40℃(MAX)
Cal. Method	Analog calibration
Resistance to ground	<2Ω
Voltage to ground	<5mV

III. SCREEN SCHEMATIC



IV. OPERATION INSTRUCTION

⚠ Warning: The soldering iron and fan switch must be in the open state before each power-on.

1. Press the soldering iron switch to start the soldering iron. At this time, the soldering iron is in the heating state; press the fan switch to start the fan.
2. Touch the "set" setting conversion button on the screen to make the temperature digital display, air volume position, timing mode status and time display status flashing. At this time, you can set the flashing item, press the "▲" touch key to make the setting value rise or count down, press "▼" touch key to make the setting value drop or positive timing; touch Once "▲" or "▼" key, the value changes by 1, long press, the value changes continuously and continuously. In the countdown state, the time icon is displayed; in the timing state, the time icon will not be displayed.
3. After setting the required temperature, air volume and time, long press the channel memory function key to be saved, and save it after a sound of the drop.
4. When the handle heater reaches the set temperature, it will enter the countdown function. When the high sensitive sensor of the handle is vibrated or jittered by the outside, the host immediately cancels the countdown and enters the working state. If the handle does not vibrate or jitter during a countdown period, the host will enter the standby sleep state until the exhaust fan enters the standby state at ultra-low speed when the temperature of the heating core is below 100 degrees. Normal operation will not be restarted until the handle is touched. So as to achieve energy saving and emission reduction, increase product life and perfect equipment experience.
5. Touch the "set" key on the screen to make the "Timing Mode" in the flashing setting state, press the "▲" touch key, the "Time Icon" will be lit, which will start the countdown function, continue to press "set" key to make the "time digital display" flash, then press the "▲" or "▼" key to adjust the countdown time.

V. ATTENTION

1. Turn on the side main switch, the host display "---", this is the normal working condition.
2. If the soldering iron wire is not connected, the host displays "A23", prompting the operator to connect the soldering iron wire.
3. When the host alarms and display "F-1", it indicates that there is a problem with the heating element of the soldering iron, and it is necessary to detect the heating element and related parts.
4. When the temperature of the soldering iron is less than 100 °C, the fan will be in dormant state and the air volume is small.