

BK180S/BK300S

Intelligent temperature control

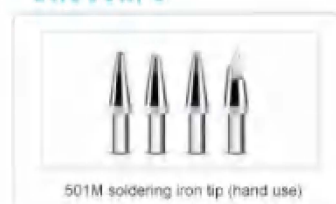
1. Intelligent welding control system is a new type of welding station control mode that combines welding station, welding process information processing, and welding robot system. Very suitable for automated welding needs.
2. The welding station adopts an advanced 32-bit ARM4 microprocessor for work management and control. The control terminal can summarize, analyze, summarize, and notify abnormalities of the welding robot's working condition information.
3. The soldering station can estimate the remaining service life of the heating core and soldering iron tip consumables, and warn in advance when the service life of the soldering components is about to reach.



BK180H/S



BK300H/S



Function display:

High frequency and high power

Fast temperature rise, rapid temperature recovery, meeting high-speed welding and large spot welding

POST

Active self-test, grounding, leakage detection, heating core detection

Temperature warning

If the upper and lower limits of the set temperature are exceeded, the machine will automatically warn the user

Process storage

Different welding processes are set for different products, up to 100 groups of processes can be switched

Consumable life analysis

Set the working life time, and warn the working status of the heating core and the soldering iron tip

Robot communication

MODBUS-RTU protocol and standard data format to realize interaction with robots

Large screen display

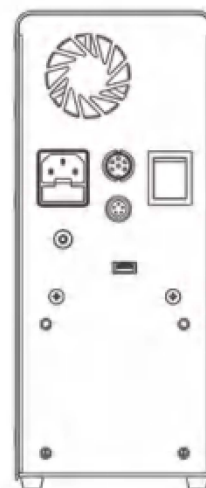
Break through the tradition, large LCD color screen, data and function display more intuitive

Multi-language version

The interface has built-in Chinese and English languages, which can be used in a multi-regional working environment

Features

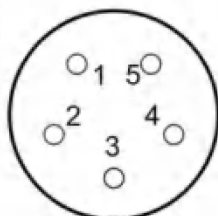
1. Using 280W electromagnetic heating core, full power output; perfect self-check and automatic protection function;
2. Abundant I/O control interface, suitable for automatic welding application welding process information processing, automatic adjustment of welding parameters; multiple alarm prompts;
3. The alarm signal light can be controlled externally;
4. Life warning function of welding parts;
5. Welding temperature curve display; Chinese/English menu switching;
5. Fahrenheit/Celsius temperature switch;
6. High temperature stability and rapid temperature recovery;
7. Normal working/abnormal signal output;
8. Welding process parameter information editing function;
9. Automatic alarm and protection if the temperature in the soldering station is too high;



Specifications:

Model	BK180S/BK300S
Applicable ambient temperature	-10-45℃
Applicable environmental humidity	45~80%RH
Rated voltage	AC230V
Rated fuse	AC250V 3A/5A (slow break)
Host rated power	180W/300W
Rated handle power	150W/280W
Temperature control range	100-480℃/212-896°F
Temperature stability	±2℃
Temperature offset value	±50℃/±90°F
Tip to ground resistance/tip to ground potential	4Ω/2mV
I/O allowable voltage	DC24V (PLC control voltage)
I/O allowable current	10mA-3mA (PLC control current)
Dimension	L116XW126xH272mm

Interface definition:



1	PLC 24V
2	Sleep input
3	Alarm Output
4	Temperature OK output
5	PLC GND

Wiring definition of signal output port:

