

LEAD-FREE TITANIUM ALLOY SOLDERING POT

Operation instruction

Our Lead-free titanium alloy soldering pot passed by SGS, built-in advanced microcomputer digital control and display system, make it more safe, more steady and more accurate. It's a good tool for electronic fields.

FEATURES:

- * With big power heater, only within 25minutes to reach 450°C from room temperature, (Different items with a little different heating time.)
- * With advanced microcomputer digital control and double displays. make it more accurate heating and fast temperature returning capability.
- * The boiler made of titanium alloy, can resist high temperature, cauterization and abrasion, largely prolong the life.
- * With temperature setting and locking function, will not be affected by wrong operation.
- * The setting value will be saved for long time, and can not be affected by power on or off. With auto sleeping function, prolong the machine's life.
- * With malfunction alarm.

ITEM NO. :

Desk round type:

Model	Range	Power	Whole size (mm)	Pot size (mm)	Tin capacity
CM-508	0-600°C	250W	266Lx145Wx120H	Φ 50x40	0.6kg
CM-808	0-600°C	400W	327Lx175Wx120H	Φ 80x40	1.5kg
CM-108	0-600°C	500W	327Lx175Wx120H	Φ 100x40	2.0kg

Stand type:

Model	Range	Power	Whole size(mm)	Pot size (mm)	Tin capacity
CM-600	0-600°C	2400W	380Lx300Wx680H	300x240x50	26.2kg
CM-602	0-600°C	2600W	430Lx330Wx680H	350x250x50	31.8kg
CM-606	0-600°C	3200W	480Lx340Wx680H	400x260x50	37.8kg
CM-608	0-600°C	3500W	530Lx380Wx680H	450x300x50	49.1kg

Desk quadrate type:

Model	Range	Power	Whole size(mm)	Pot size (mm)	Tin capacity
CM-558	0-600℃	300W	327Lx175Wx120H	55x55x45	1.32kg
CM-107	0-600℃	500W	266Lx145Wx120H	100x70x45	2.3kg
CM-118	0-600℃	600W	327Lx175Wx120H	110x80x45	2.7kg
CM-101	0-600℃	800W	327Lx175Wx120H	100x100x45	3.2kg
CM-141	0-600℃	900W	397Lx205Wx120H	140x100x45	4.5kg
CM-161	0-600℃	1000W	397Lx205Wx120H	160x110x45	5.7kg
CM-181	0-600℃	1200W	446Lx245Wx120H	180x140x45	8.2kg
CM-201	0-600℃	1500W	446Lx245Wx120H	180x140x45	9.8kg
CM-252	0-600℃	1800W	536Lx285Wx120H	250x160x45	13.1kg
CM-282	0-600℃	2000W	536Lx285Wx120H	280x200x45	18.3kg
CM-206	0-600℃	900W	420Lx120Wx110H	200x80x45	5.2kg
CM-268	0-600℃	1000W	470Lx120Wx110H	250x80x45	6.3kg
CM-308	0-600℃	1200W	520Lx120Wx110H	300x80x45	7.9kg
CM-206	0-600℃	1000W	420Lx140Wx110H	200x100x45	6.5kg
CM-261	0-600℃	1200W	470Lx140Wx110H	250x100x45	8.2kg
CM-302	0-600℃	1500W	520Lx140Wx110H	300x100x45	9.8kg
CM-350	200-480℃	150W			

Working conditions:

Working voltage: AC220±10V

Working temperature: 0-55℃

Working temperature: < 90% no dew

WARNING:

1. The soldering pot must be put on the balanced and ovenproof working desk, prevent the glowing tin go out of the pot. And also take care of the hot tin and the hot body.
2. Do not put other pb items together with the lead-free soldering pot, prevent pb pollution. If cause the products do not eligible, then we won't take on this liability.
3. It can't be used where it will be exposed to ignitable or corrosive materials and gases.
4. If you need to move the soldering pot, please turn off the switch and move it after the pot turn cool.
5. The pot is a hot equipment, if you no need to use, please shut off the switch, and put out the plug.
6. In order to keep it safe and prolong the life, it's better stop working after it has worked more than 12hours.
7. Do not heating the pot when it's empty, and use the power supplier with grounding cord.

8. The pot is made of titanium which import from Japan, after it is heated by hot temperature, the color will turn to golden or blue, it's natural for the material.

OPERATION

1. Set temperature:

Press the “ * ” button, the left LED will display “ L ”, and the right LED will display numerical value, then press the “+” or “-” button, temperature will go up or down. Press “ * ” button, the value of temperature will be saved.

2. Microcomputer adjusting itself

If the temperature has obvious discrepancy, we can adjust the inside P, I, D value, it will make the pot with accurate control, the followings are two ways of P, I, D adjusting:

A. Auto adjusting

Keep pressing “+” button, then press “ * “, the left LED will display “AT”; the right LED will display “ _ _ _ ”. Then press “ - “ or “ + “ change the “ _ _ _ ” to “AT”, this time please press “ * “ for 3 times, then the pot will begin P, I, D adjusting itself. Usually it will take for about 15-30 minutes to finish this adjusting, during this adjusting the temperature will fluctuate obviously, but it's no wonder. Usually, we do not recommend the users use P, I, D adjusting.

- #### B. Adjust the value of P, I, D by manual (Do not advise users use this way, it's fit for the engineers who know P, I, D very well, otherwise maybe cause bad temperature control. If really need, we just recommend the first way.) The operation as follows: Keep pressing “ + “, then press “ * “, the LED will display above (A) setting mode, press “ * “ again the LED will display the value of P, I, D. Manual adjusting just can be set the original value.

Remarks: The original of P, I, D value is: P=20, I=80, D=20; If the temperature in confusion, please set the P, I, D value as original value.

3. Calibration between display and real temperature.

After the heater was replaced or the sensor was oxidated, the temperature will occur warp, the users need to calibrate the pot termly, and as the follow steps:

- #### A. Press “CAL” button (If your pot without this button, please open the front cover, there is a black button on the PCB of temperature control, that is CAL), the right LED will display OFF, keep pressing “ - “, and press “ * “ at the same time, the left LED will display “LOC”, the right LED will display “-3-“, then press “ * “ for 3 times (just this button, do not press any other buttons), the LED will display: The first time: Left “ L H ”, right “999”; The second time: Left “ L L ”, right “0”; The third time: Left “ L L ”, then please input the value of temperature compensation. This value is the warp between display temperature and real temperature. For example, the real temperature is more 5°C higher than the display temperature, it can use “ - “ to set -5; If the real temperature is 5°C less than the display temperature, it can use “ + “ to set 5.
- #### B. The warp temperature is the value to input, after finish setting, press “ * “ again,

the set value will be saved. Then press “CAL” (If your pot without this button, please open the front cover, there is a black button on the PCB of temperature control, that is CAL), it will come into the ordinary display mode.

TROUBLE SHOOTING:

1. Turn on the switch but no reflection, please check the fuse, and the plug.
2. The LED display setting temperature, but the pot temperature won't go up, it means that the heater is open circuit.
3. The pot display “Err” when the power switch is turned on, it means that the sensor is open circuit.