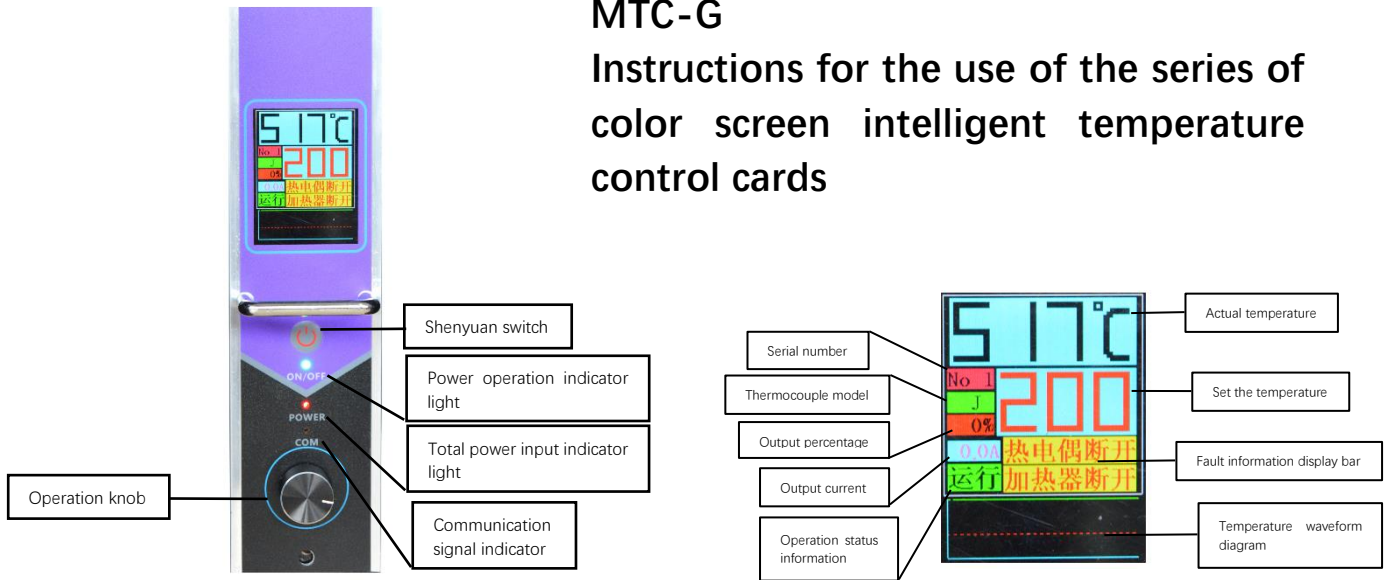




## MTC-G

### Instructions for the use of the series of color screen intelligent temperature control cards






## Instructions for use

### 1. On/off



First connect the power supply line and the mold connection cable, check that all the connections are correct, and then press the  button on the front panel. At this time, the machine will enter the heating working state. If there is an alarm, it will not enter the heating working state. After the machine enters the working state, press the  key on the front panel, and the control card will stop output and enter the standby state.



Note: If you don't use this machine for a long time, please turn off the back air switch!

### 2. Temperature setting


Turn the knob  clockwise to turn up the setting temperature, and turn the knob  counterclockwise to turn down the setting temperature. After the rotation is set, please press knob  to confirm the setting.

### 3. Parameter setting

After pressing the knob  for 2 seconds, enter the parameter setting, turn the knob  clockwise or counterclockwise, enter the parameter selection, find the required parameters, press the knob to enter this parameter, turn the knob to select the

corresponding value, and then press the knob  to confirm the setting. Press the knob  for 2 seconds to exit the parameter setting interface or wait for the automatic exit parameter setting interface.

#### 4. Restore factory settings

Enter the P20 parameter, select this parameter as confirmation, and then press the knob  to restore all operations and parameters to the initial value.

#### 5. Replace the temperature control card

Now remove the panel fixing screw, then pull out the temperature control card, then insert the new temperature control card and tighten the screw.

### Parameter

P1 mode setting automatic/manual

P2 manual output 0%-100%

P3 model J/K

P4 alarm function alarm/disable

P5 over-temperature range 0-50°C

P6 Low temperature range 0-50°C

P7 temperature correction -50°C-50°C

P8 temperature unit°C/°F

P9 signal output mode continuous/pulse

P10 soft start time 0-99min

P11 soft start output 0-100%

P12 temperature compensation value ambient temperature (cannot be set)

P13 P parameter initial value (can be set)

P14 I parameter initial value (can be set)

P15 D parameter initial value (can be set)

P16 D2 parameter initial value (setable)

P17 PID mode position/self-tuning/incremental (if you encounter unstable temperature control, you can turn on the self-tuning function)

P18 Serial Number 001-128

P19 Current Limit 5.0A-16.0A

P20 Restore Factory Settings Cancel/Reset

P21 communication settings cancellation/communication (touch screen version use)

P22 Language Settings Chinese/EN

P23 short-circuit detection 20-99 (if you encounter a boot prompt heater short-circuit alarm prompt, just turn this parameter up)

P24 follow disable/0-128 (touch screen version use)

## Common faults Common faults

1. After turning on the air switch, the temperature control card screen emits a continuous red alarm sound zero line and the fire line is reversed or lacks zero line.
2. After booting, the temperature control card makes a continuous alarm sound. The thermocouple is disconnected, and the heater is short-circuited or open. Please check the thermocouple and Heater or check whether the connection cable is loose.
3. After starting up, the temperature keeps rising, and the output current remains unchanged until the high-temperature alarm silicon control short circuit and control card appear It needs to be repaired.
4. The temperature control is unstable and the output current value fluctuates greatly and there is a lack of zero wire. Please check the power supply plug to troubleshoot.
5. If the POWER signal light of the temperature control card is not on, please check whether the power supply is turned on or whether there is a lack of phase.
6. If the startup prompts the heating short circuit, please detect whether the temperature sensor and heater are reversed. If there is no reverse connection, just increase the P23 parameter.
7. If the temperature control is unstable, the P17 can be turned on.

## Precautions

1. Before replacing the mold and pulling out the connection cable, please turn off the air switch on the back plate of the temperature control box.
2. This product is a metal shell, which needs to be well grounded to prevent electric shock
3. If you encounter an unsolvable fault, please do not disassemble the machine by yourself. You can seek the help of professional technicians.
4. Before connecting the mold, please check the wiring diagram of the temperature control box to ensure that it is consistent with the mold wiring diagram before starting up.