



TEC 2800 (Version: AMOSTEC2800TCOP20150318)

Thermal Console

Operation Manual

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Foreword

Thank you for purchasing our TEC2800 Thermal console. Presented in this 《Operation Manual》 are the functions and operation method support for the Embedding Center and the matters needing attention concerning safety. Please carefully read this manual before use so that you can understand its performance better and make full use of the functions. If you have any questions, contact us and we will provide satisfactory service of you at any time.

Please keep this 《Operation Manual》 appropriately for later consultation.

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1. Safety Matters

- Please read these explicit rules. Act in violation of them can affect normal operation of the equipment, cause damage to the equipment or result in danger.



Use 220VAC±10% at 50HZ or 110VAC±10% at 60HZ



The input power supply must have good earthing



The equipment should be installed far away from flammable and explosive objects



Don't open the equipment without authorization to prevent high voltage shock



Only professional maintenance worker are allowed to repair this product



Use fuses with correct capacity



Ensure that the power supply socket and circuit are able to withstand at least two times



The equipment should be installed far away from any interference source

- **Electrical Protection Ratings: I class, B type**
- **Baleful liquid Leak-in proof degree: Normal (enclosed equipment without liquid leak-in proof)**
- **Working system: Continuous running**

● Installation environment

- (1) More than 20cm of space around the equipment for heat dissipation.
- (2) Free of water-drop ,steam, dust(including oily dust and flying dust)
- (3) Free of corrosive, flammable and explosive gas and liquid
- (4) Firm and without vibration
- (5) Free of electromagnetic interference
- (6) Ambient temperature and relative humidity at 5°C—+40°C and less than 90%,respectively

● Delivery inspection

Although the product has already been inspected on quality before leaving the factory, the following inspection is necessary at delivery because many be damaged and accessories get missing caused by careless handling during transportation.

- (1) Open the packing boxes and check the contents to make sure that there is the product, operation manual, certificate, packing list and accessories.
- (2) Check the nameplate to make sure that the product is the one you ordered.
- (3) Make sure that the product and accessories do not get damaged or missing during transportation.

2.Characteristics & Application

TEC2800 Thermal console is support for Embedding Center.

3. Main Structure

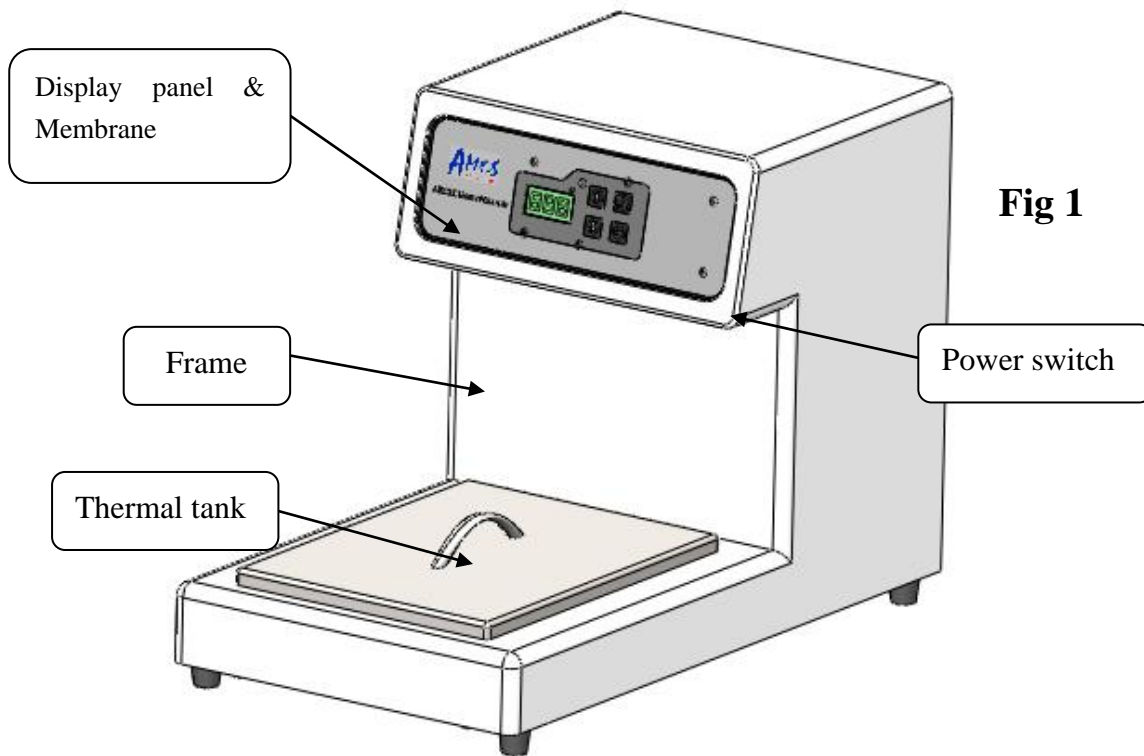


Fig 1

4. Technical Parameters

- ⊙Capacity : 2.5Lt
- ⊙Working temperature: from ambient to 75°C increments 1°C
- ⊙Rated Power: 335W
- ⊙Supply voltage: AC 220V±10% 50Hz or AC 110V±10% 60Hz
- ⊙Fuse: 220V/3A or 110V/5A
- ⊙Dimensions

Width:	300mm
Depth:	540mm
Height:	390mm
Weight:	about 7.5Kg

5. Operation Explanation

Indicate Lamp:
 Red----The machine is on the heating
 Green----The machine is on the temperature setting status.
 No light----The machine is on standby.

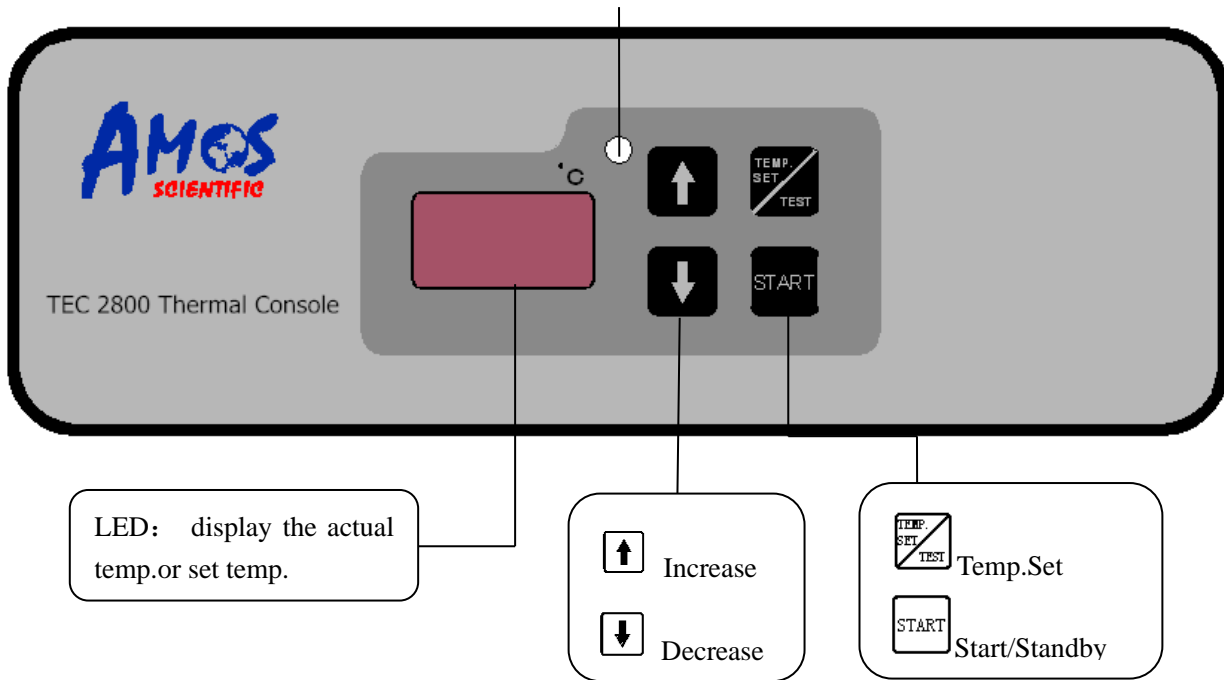





Fig 2

5.2•Operation


●Temperature Set


Connect to power supply and turn on the power switch(see Fig 1).



▲Attention: The Voltage must be same as the remarked on the nameplate, or it will broken the machine.


Press , green indicate lamp is light, and then press   to set the temperature as your desired.

●For example 1: current acutal temperature is ambient 25℃ , the required temperature is 70℃ 。

a. Press  and the indicate lamp is on green light

b. Press  continuous until the LED display to 70

- c. Press  again to exit the set status.
- d. Press  to active the heating while the indicate light is on Red.

After finished the setting, the LED screen will display the temperature degree increasing from 25°C to 70°C. After reach to 70°C , the indicate lamp will no light, the machine stop heating and the temperature degree decrease, but the machine will re-start to heating when the actual temperature is lower than 70°C. (Please note: If press  to stop the heating before the temperate reached to 70°C, the temperature degree will decrease and it also displayed on the LED screen.)






▲ Attention: The temperature set range is ambient 0~75°C. If the setting temperature is over the range, the buzzer could alarm and LED display"OF" to remind the wrong action.(Press  or  to cancel the alarm as Fig 3)



Fig 3

● For example 2: If current acutal temperature is ambient 70°C , the required temperature is 50°C .

- a. Press  and the indicate lamp is on green light
- b. Press  continuous until the LED display to 50
- c. Press  again to exit the set status, and the indicate lamp is no light

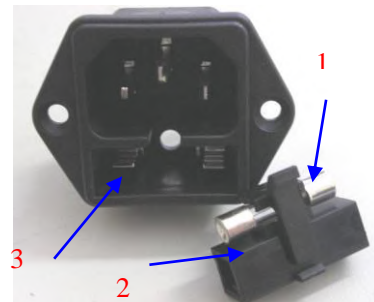
After finished the setting, the LED screen will display the temperature degree increasing from 70°C to decrease while the heating is off. When the temperature reach to 50°C , the indicate lamp will no light. The machine will re-start to heating when the actual temperature is lower than 50°C while the Red light is on, and when the temperature reach to 50°C, the heating stop again and Red light is off.

6、 Trouble shooting

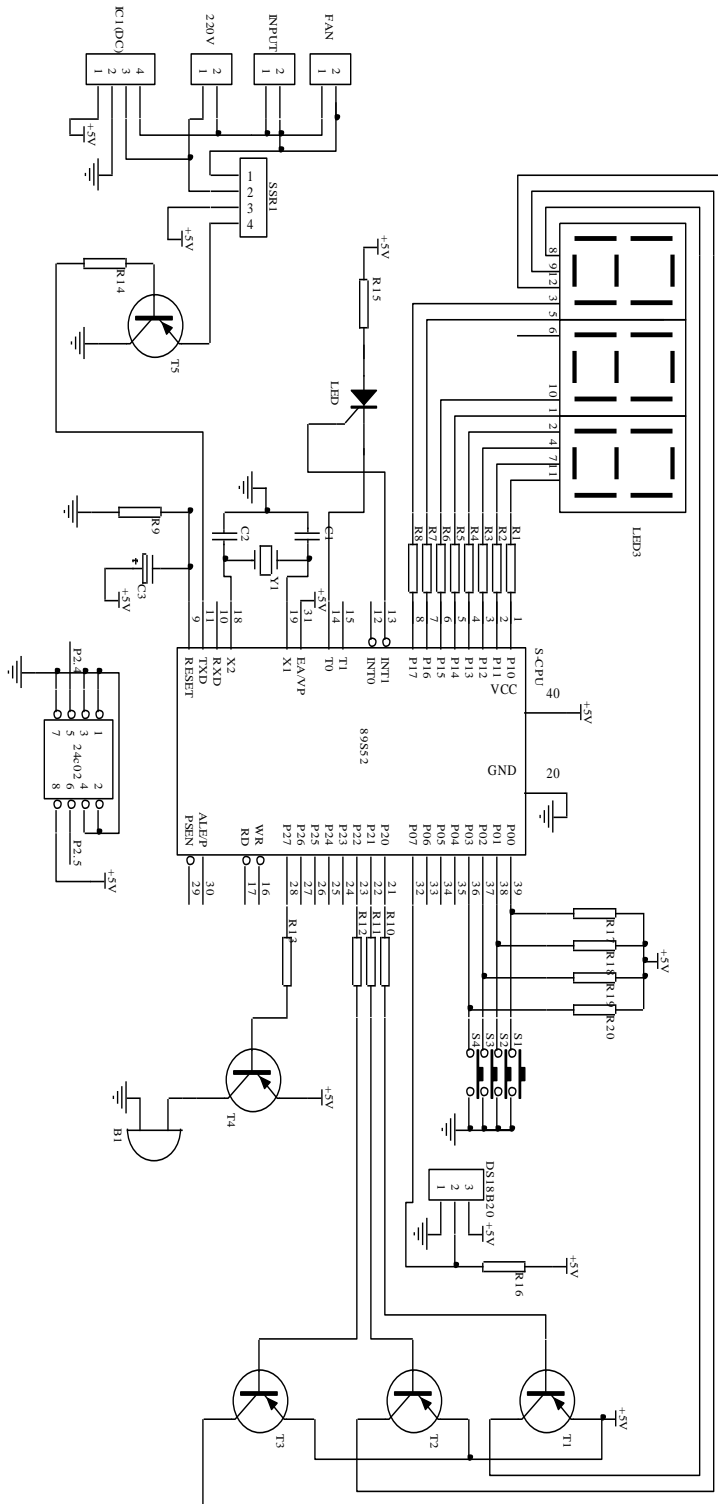
Type	Problem	Possible causes	Judge method	Corrective action
No display on the panel	LED screen no display	Power cord plug poor	Plug in again	Plug in again
		Fuse broken	Take out the fuse to check its internal resistance by multimeter, if the value is infinite, the fuse is broken	Replace a new one
		switch power supply no output	Replace the power switch	Replace the power switch
Don't heating	No heating	The temperature setting is wrong	Ambient temperature is bigger than set temperature, the machine is no heating	Reset the temperature
	Single buzzer sound when start	sensor is broken	Check the sensor by multimeter,	Replace the sensor
If there are any trouble can not be resolved , please contact with the manufacturer .				

7、 Cleaning & Maintenance

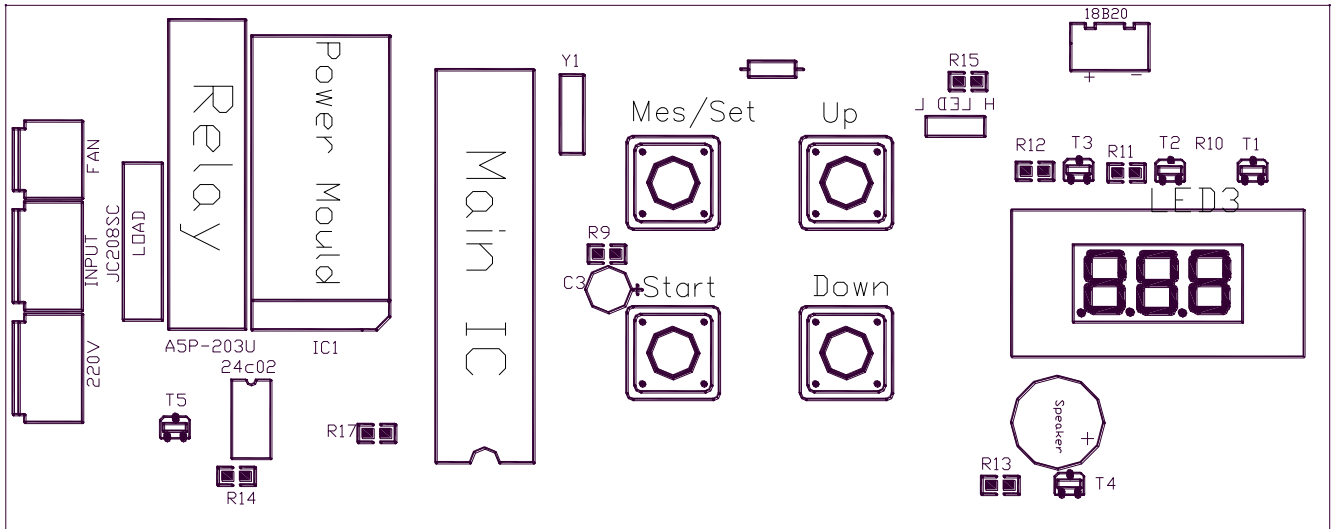
- Please reading the specification carefully when run the machine, According to the requirements of the operation.
 - Keep clean of the instrument and After hours please clear surface dirt and mesa ice water.
 - Forbid to using sharp hard object to harm the worktable.
 - Insert the fuse(1) into the fuse socket (2) as it is showed in the Fig 10 and insert the whole fuse socket into the socket (3).
 - Before replacing the fuse must turn off the power switch and disconnect the power.
- Specification of fuse: 3A (220V) , 5A (110V)



8、 Schematic Diagram of Integrated circuit



9、 Distribution Diagram Of Component



Standard accessories list

No	Accessory Name	Qty	Notes
1	Thermal Console	1 unit	
2	Power Cord	1pc	
3	Fuse	2pcs	
4	Operation Manual	1pc	

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