





## HST-H3 Heat Seal Tester Troubleshooting

1. Situation : Seal jaws' temperature fell outside of the given value for over 0.5C.

Troubleshooting: 1. Temperature will fluctuate in a larger range in the first 30 minutes. It will become stable (within 0.5C) after 30 minutes. Great temperature fluctuation or air flow in the nearby environment may cause longer adjusting time and less precision. Therefore, the stability of the air and temperature in the environment must be assured.

2. If the problem still occurs after 30 minutes, please check the insertion of the temperature sensors (Pt100) on seal jaws. It has to be inserted to the bottom. Please refer to the profile of HST-H3 for specific instruction.

**Caution: the temperature of the seal jaws might be scalding !!!**

3. Refer to the temperature control panel; select the trouble temperature controller. Press  key until the panel displays CTRL. Adjust CTRL to 2 by  key and  key. Press  key until it exits. **Note: in standby status, temperature setting alternatively displays the temperature and 'AT'.** When the alternate display stops, it will indicate that the temperature controller has finished self-setting and is ready for operation.

4. If any fault operation was caused to the default temperature value and needs recovery, please refer to the troubleshooting four.

Note: If above operations cannot solve the problem, please contact us.

2. Situation : Display of unusual temperature (for example: higher than 900); or alternative display of 'LOAL'.

Troubleshooting: On the left side of the instrument, take off the corresponding joint of the trouble temperature sensor. On the joint plug, P1 and P2 fingers are both marked. Use ohm meter to test the resistance value between P1 and P2. If the value is not in the range of 100-200Ω (100ohm and 200ohm included), it indicates that temperature sensor is broken. If the value is within the range, there might be open circuit between temperature sensor socket and temperature controller.

Note: If above operations cannot solve the problem, please contact us.

3. Situation : Seal jaws do not heat.

Troubleshooting: 1. Make sure the real time display of temperature is working. Otherwise, please refer to the troubleshooting two.





2. On the left side of the instrument, take off the joint of trouble temperature sensor. On the plug, P1 and P2 are marked on the fingers. Use ohm meter to test the resistance value between P1 and P2. If the value is over 1000 ohm, it indicates that the heating rob is broken.

3. If any fault operation was caused to the default temperature value and needs recovery, please refer to the troubleshooting four.

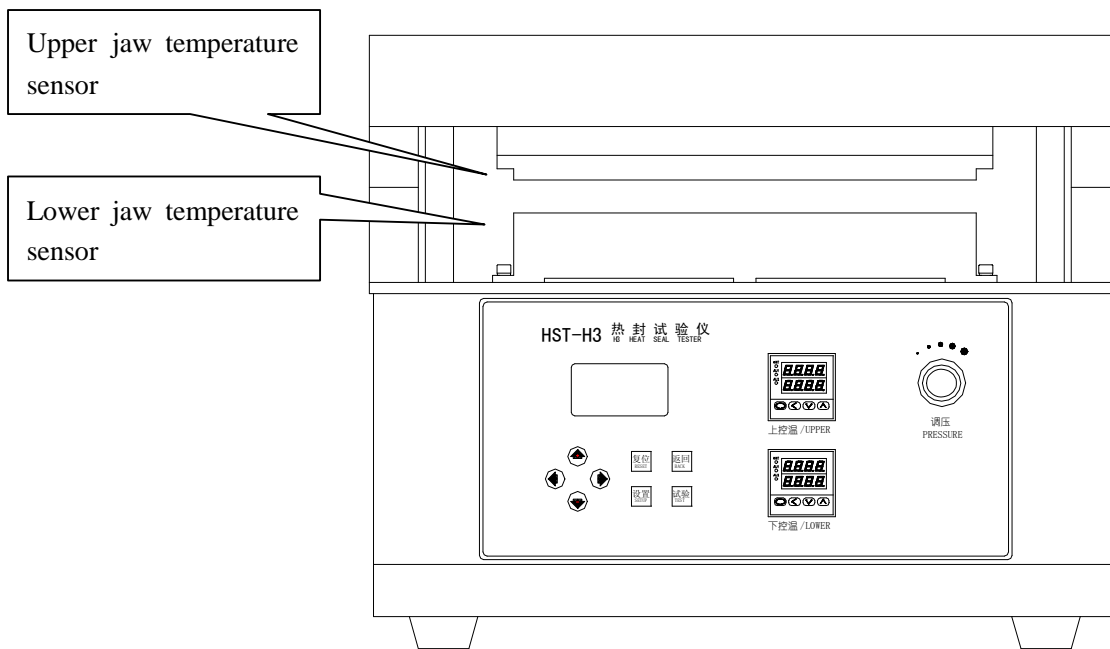
4. Take off the rear board of the instrument and check for open circuit in the wiring.

Note: If above operations cannot solve the problem, please contact us.

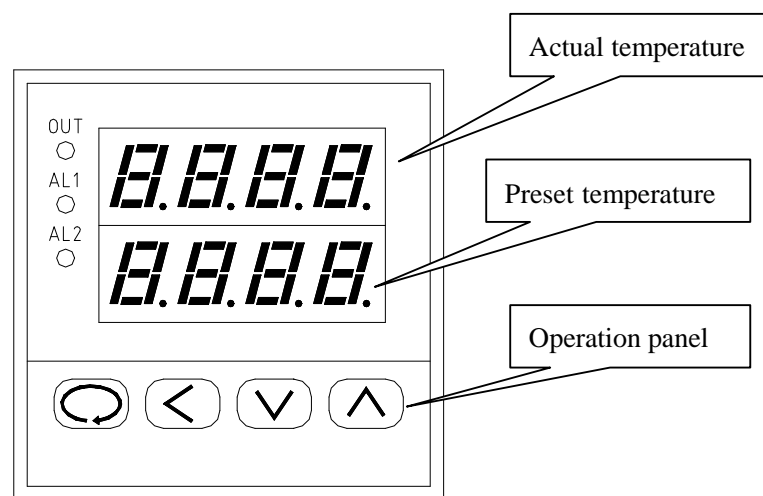
IV. Situation : Temperature controller displays ORAL or displays without decimal point.

Troubleshooting: Select the trouble temperature controller and press  for more than five seconds. Set temperature controller referring to the parameter setting table. Adjust parameters by  key and  key. Press  key to exit.

Note: If above operations cannot solve the problem, please contact us.



Profile of HST-H3 Mainframe



Temperature Controlling Panel

Parameter Setting Table of Temperature Controller

Number	Parameter	Value of Parameter	Note
1	HIAL	9999	
2	LOAL	-1999	
3	DHAL	999.9	
4	DLAL	999.9	
5	DF	0.8	
6	Ctrl	2	Automatically changes to 3 after self setting
7	M5	*	Self setting parameter
8	P	*	Self setting parameter
9	T	*	Self setting parameter
10	Ct1	2	
11	Sn	21	
12	D1P	1	
13	D1L	0	
14	D1H	5000	
15	SC	0.0	Temperature error adjusting item
18	Op1	0	
17	op1	0	
18	Oph	100	
19	Alp	3333	
20	Cf	0	
21	Addr	1	Corresponds the number of controller
22	Baud	9600	
23	D1	1	
24	Run	0	
25	Loc	0	
26	Ep1	CTRL	
27	Ep2	SC	
28	Ep3	NONE	
29	Ep4	NONE	
30	Ep5	NONE	
31	Ep6	NONE	
32	Ep7	NONE	
33	Ep8	NONE	