Thermostat
Operation Manual

T-HENG Intelligent Digital Thermostat

GENERAL

This produce   is an electronic temperature controller for liquids. Used together with magnetic stirrers and heating appliances. It is designed to replace conventional mercury contact thermometers in the laboratory.

The microprocessor controlled electronics is responsible for the control functions and ensures high linearity and measuring accuracy . Integrated fuzzy control guarantees an optimum heating-up speed without overshooting of the desired temperature.

The temperature controller is protected in several ways:
1. Fuse for sensor short-circuiting
2. Fuse for sensor breakage

During operation, the sensor and cable are checked constantly for interruptions and short-circuiting. If a fault is discovered, the heating is switched off and the fault indicated in the display.

OPERATIOPN   AND   CONTROLS
1、Key:

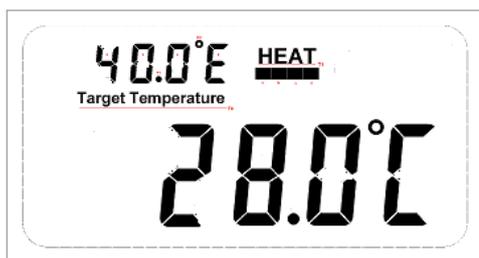1.SET (SET) , 2.CURSOR (▲) , 3.NUM (▼) , 4.MAX. (MAX)

2、Opertion:

Immerse the sensor at least 20 mm in the liquid. Failure to do so could result in measuring errors and overheating.
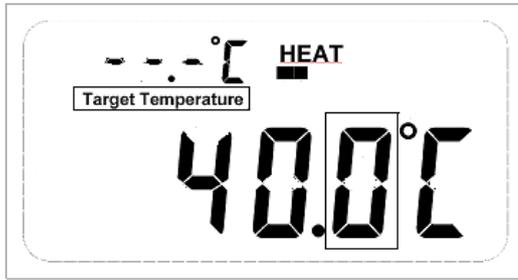
Temperature Measurement

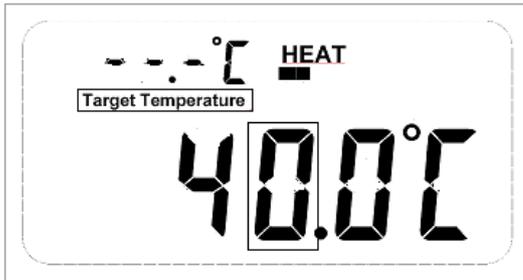After power on , the first temperature measurement will appear with the ℃ symbol:
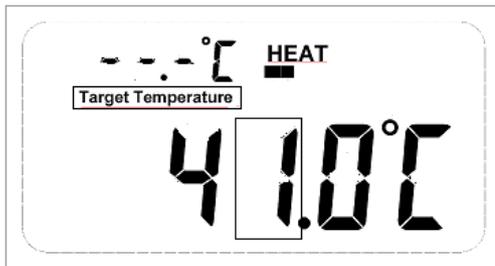

Setting the Desired Value

1. Press SET-key

Enter the tempreture setup status, the LCD shows the preset value, the last digit will flash..

2. Press CURSOR-key

Switch the digit to flash in seting state.

3. Press NUM-key

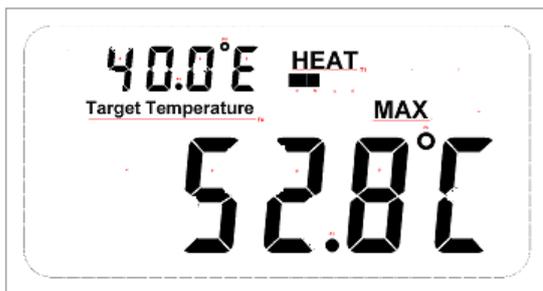The flashing digit add 1 and is in circle 0~9 in seting state.

4. Press the key again

The desired value is saved , then return .

The range of the desired value is 0~350℃. If nither the SET key nor CURSOR-key or NUM-key within 10 seconds, the appliance will return automatically to actual temperature display.

MAX Value

Press MAX-key

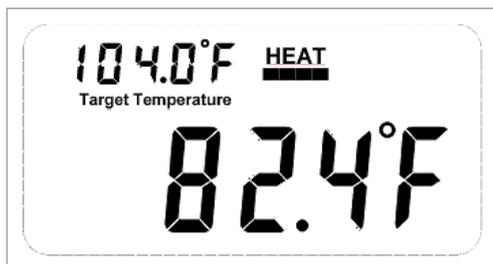Show the MAX measure value and "MAX" label..

Press again

The label disappear then return . If the MAX key is not pressed within 10 seconds, the

appliance returns automatically to the actual value display.

°F Display

Press CURSOR-key

Temperature selector will be changed to °F.

℃ Display

Press NUM-key

Temperature selector will be changed to ℃.

SPECIFICATIONS

Temperature range	-50···+350℃
Resolution	0.1℃
Measuring accuracy	±1℃
Measuring interval	1s
Admissible ambient temp	+5···+60℃
Admissible storage temp	………
Dimensions	……….
Weight	……….