INSIZE

www.insize.com

**0313-TH48
THERMOHYGROMETER
(EXTERNAL SENSOR)**

OPERATION MANUAL

PLEASE SCAN QR CODE
TO WATCH THE OPERATION
VIDEO OF PRODUCTS

INSIZE

Feature

- External sensor, 3m cable
- Time/temperature/humidity display
- Temperature and humidity upper and lower
- limit
- Alarm function
- Low battery warning

Attention

To ensure the accuracy and stability of the product, do not install the product under the following environments:
1) near heat , cold , or direct sunlight.
2) long period of steam, mist, curtain or condensing environments.
3) long period of dust or other polluting environments

Specification

Temperature range	-40°C~80°C/-40°F~176°F
Temperature accuracy	±0.5°C (at -20°C~60°C), ±1.0°C (at 60°C~80°C), ±2°C (at -40°C~-20°C); ±2°F (at -20°F~176°F), ±3°F (at -40°F~-20°F)
Temperature resolution	0.1°C (-20°C~80°C), other range 1°C; 0.1°F (at -20°F~100°F), other range 1°F
Humidity range	0~99.9%RH
Humidity accuracy	±5%RH (at 10°C~60°C), other range ±7%RH; ±5%RH (at 50°F~140°F), other range ±7%RH
Humidity resolution	0.1%RH
Sampling interval	5s
Power supply	build-in rechargeable battery (USB 5V charging)
Dimension	88×88×21mm
Weight	174g

Function

1) LCD display instrument introduced each function icon, show in figure 1

Temperature display

Battery indicator
Temperature alarm
Temperature unit
Humidity alarm
Humidity display
Humidity unit
Screen lock

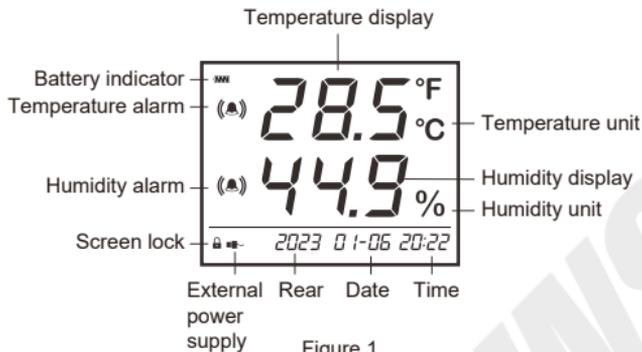External power supply   Rear   Date   Time

Figure 1

2) Key functions

The display device are four key, namely ⬛、⬇、⬆、⬅ key, long press and short press functions.

a) ⬛ key : entering and switching the parameter setting;
b) ⬇ key : data continuously or a single regulation function;
c) ⬆ key : data continuously or a single down function;
d) ⬅ key: press the lock or unlock the screen, press exit and save data function.

Operation

1) Screen lock:
Exit under settings, 30s continuous unattended operation, the instrument automatically lock screen or press the ⬅ key 3s manually lock screen, appears a lock symbol that is screen lock.

2) To unlock the screen:
Press the ⬅ key 3s above can unlock the screen, does not display the lock symbol that is unlocked.

3) On the temperature, upper and lower limit setting:
Short press ⬛ above to enter the settings, the default is 1.CH or press the ⬛ key to switch to 2.CL (as shown in Figure 2 and figure 3), press ⬇ key and ⬆ key to set the desired temperature on the user, the lower limit setting range:-40°C~80°C (-40°F~176°F)

Figure 2

Figure 3

4) The humidity , upper and lower limit setting:
Press 🗐 to enter the settings, press 🗐 to switch to 3.HH
or 4.HL (as shown in figure 4 and figure5), press 🔽 key
and 🔼 key can be set on a user desired humidity, the
lower limit setting range: 0~99.9%RH.

Figure 4

Figure 5

5) 5.Ar:expressed alarm setting, ON: start alarm function,
OFF: turn off the alarm function.When the alarm function is
activated, the screen warning flag, "(▲)"light, temperature
and humidity on if the current value exceeds or falls below
the set temperature and humidity , when the lower limit,
the corresponding alarm flag"(▲)"stop flashing, while bee
buzzer will alarm four times at intervals of 1 second.
(as shown in figure 6)

6) 6.CF: represents a single
temperature conversion,C:
Celsius, F: Fahrenheit.(as
shown in figure 7)

Figure 6

Figure 7

Figure 8

7) System Time:
Press 🗐 button to switch to the appropriate setting, the
corresponding value will stop flashing.
Note: year, month, only a single setting, press 🔽 key or
🔼 key is invalid. (as shown in figure 8)

8) Battery level indication
The battery level could be display in LCD screen.

Power display	Battery level indication	Level
	Three grid	70%~100%
	Two grid	40%~70%
	One grid	10%~40%
	Space	10%

Note: if the battery is in a very low level (10%), please
replace the battery timely. When the battery is low, the
display will stop flashing battery "▭", temperature an d
humidity display a cross , then please charge; low battery
meter will cause data error, deviations and other
phenomena, please charge