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9362-TH27
DIGITAL THERMOHYGROMETER
OPERATION MANUAL

PLEASE SCAN QR CODE TO
WATCH THE OPERATION
VIDEO OF PRODUCTS.

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Safety Information

Overview

Please read this safety information carefully before you start to use this instrument.

9362-TH27 is a precision instrument, please do not repair or refit it except our professional engineers.

Ingress protection class of this instrument reaches IP50, which is not water resistant. Outdoor using is not allowed to prevent being moistened by rain or water.

This product can be used between -20°C~70°C.Please do not use it out of the safety temperature ranges or in corrosive applications.

This product uses AAA battery. The battery can not be placed near to fire or water. Do not short-circuit the battery.

To comply with WEEE directives for a better living environment, please hand the waste electric and electronic products over to adequate accommodation for collection and recycling.
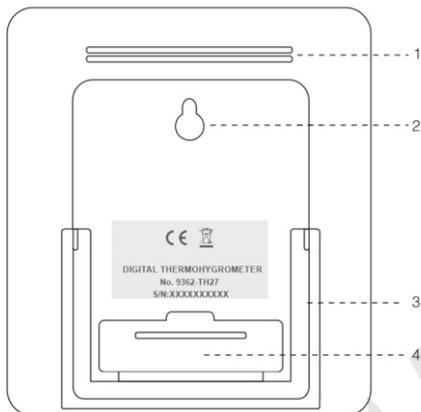
Front view

1. Display area

2. Mute key

3. Left key/Increase

4. Right key/Reduce

5. ON/OFF/Multi-function key

Overview

Back view

1. Vent

2. Mounting hole

3. Bracket

4. Battery container

Overview

Full LCD
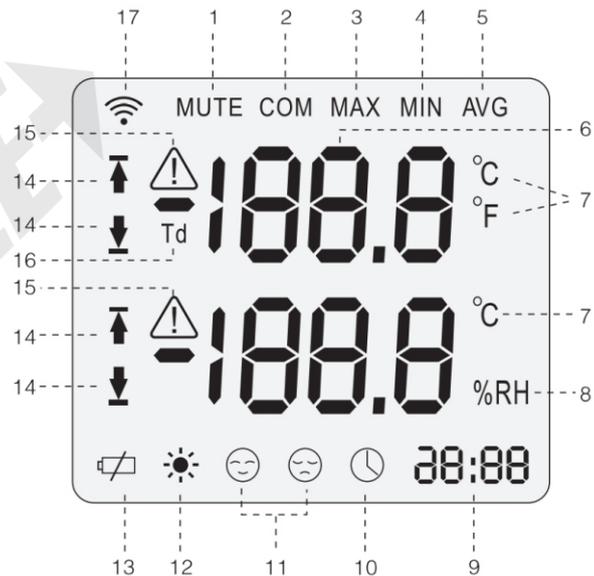
LCD display

Symbols

1. Mute indicator
2. Communication indicator
3. Maximum symbol
4. Minimum symbol
5. Average symbol
6. T/H display area
7. Temperature unit
8. Humidity unit
9. Time area

10. Clock symbol
11. Human comfort indicator
12. Backlight symbol
13. Low battery symbol
14. Limited alarms symbol
15. Alarm mark symbol
16. Dew point symbol
17. Wireless sensor indicator
    (Reserved functions)

LCD display

Query area

Alarm mark, dew point, the preset high/low limit value, the maximum, minimum and average value of the measured temperature and humidity data in latest 12 hours can be displayed.

MUTE Beep alarm indicator, if set to be ON, when out of limit alarms happen, MUTE symbol shows while no sound is given.

COM Communication symbol (Reserved), This symbol will be flashing when 9362-TH27 is in communication with PC or other instrument.

MAX Maximum value symbol. To display the maximum value of the measured data in the latest 12 hours.

MIN Minimum value symbol. To display the minimum value of the measured data in the latest 12 hours.

AVG Average value symbol. To display the average value of the measured data in the latest 12 hours.

↥ High limit symbol, when temperature or humidity exceeds the preset high limit, this symbol flashes.

↧ Low limit symbol, when temperature or humidity exceeds the preset low limit, this symbol flashes.

LCD display

Status bar

Low battery symbol(Replace the battery when it flashes).

Backlight symbol(Backlight on as default setting).

Comfortable symbol.

Uncomfortable symbol.

Clock symbol.

Time(in 24 hours), year, date alternatively display with internals of 30s, 5s, 5s.

Alarm mark, this symbol shows up when high and low limits are exceeded during measuring. It can be cleared by manually operation on pressing and holding on ⌃ key for 2 seconds.

Dew point symbol, dew point value shows when this symbol shows.

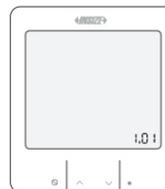## Operation Description

Start up

Press and hold ✳ for 2s to switch on, after that, beep sounds,full screen shows, firm ware version displays, then enter normal display. Default backlight is ON, when no operation on keys in 10s, backlight goes off automatically.
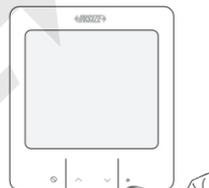
Press ✳ key 2s
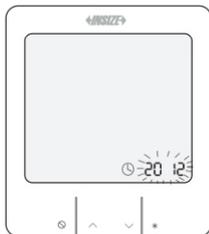to switch on

Full screen

show version number

Normal display

Operation Description

Switch off

Press and hold ✳ key 2 seconds to enter setting mode, the instrument
will be switch off if the press operation last more than time setting mode.

Enter setting mode   Switch off

Operation Description

Shift temperature unit

Press ⌄ to shift °C and °F, default temperature is °C.

Celsius   Fahrenheit

Shift temperature and dewpoint

Press ⌄ 2s to shift temperature and dewpoint.

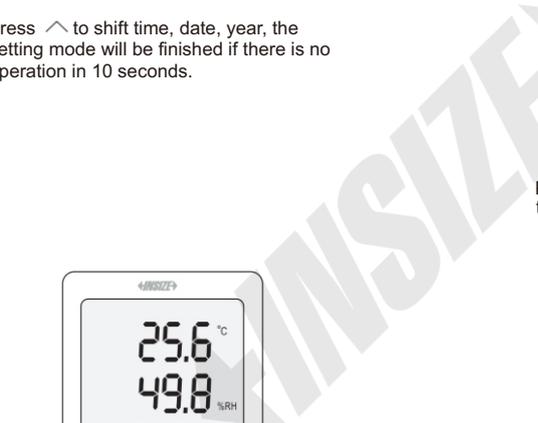Temperature   Dewpoint

Operation Description

Time query

Press ︿ to shift time, date, year, the setting mode will be finished if there is no operation in 10 seconds.

Display data

Display year

Operation Description

Data query

Press ✳ key to query MAX/MIN/AVG value of the past 12 hours and the preset high/low limit in order.

Press✳ to check the maximum value

Maximum value

Minimum value

Average value

High limit value

Low limit value

When no operation in 10s,or press ︿ key or ﹀ normal display mode. In query status,press﹀ key for 2s to clear MAX/MIN/AVG value, and reset value caculation.

Operation Description

Mute alarm sound

Press ⊘ key to stop sound alarm.

Clear alarm mark

Press ⌃ key 2s to clear ⚠ symbol(A beep sound will be given to confirm operation).

after

Parameter Configuration

Enter setting mode

when the product is on,press ✻ key for 2s to enter setting mode.

Year set

Enter year set mode, when year value is flashing, press ⌃ key or ⌄ key to adjust values in the range of 2000-2099.

Data set

After year setting, press ✻ key to switch to data setting. When data values is flashing, press ⌃ key or ⌄ key to adjust values in the range of 01 to 12, 01 to 31.

Time set

After data setting, press ✻ key to switch to time setting. When time value is flashing, press ⌃ key or ⌄ key to adjust values.

Parameter Configuration

Beep set

After time setting .press ✴ key to switch to beep setting. when MUTE symbol flashes together with current alarm duration, press ⌃key or ⌄ key to choose among OFF, 10, 20, 30, 60, ON.

OFF:Beep sound when alarm triggered.
ON:No beep sound when alarm triggered.
Figures:Beep sound duration when alarm triggered.

Backlight set

After beep setting,press ✴ key to switch to backlight setting. Backlight symbol on the bottom flashes together with current setting. Press ⌃ key or ⌄ key to choose among OFF, 5, 10, 15,30, 60, ON.

OFFIneffective backlight.
ON effective backlight.
Figures:Backlight duration from ON to OFF.

Parameter Configuration

Temperature high limit set

After backlight setting, press ✴ key to switch to temperature high limit setting. When ↑ symbol shows up, and lashes together with temperature value, press ⌃key or ⌄ key to increase or reduce value up to 90.0°C or 194.0 °F (When temperature in Fahrenheit, minimum adjustable unit is 0.2 °F).

Temperature low limit set

After humidity high limit setting, press ✴key to switch to temperature low limit setting. When ↓ symbol shows up, and lashes together with temperature value, press⌃ key or ⌄key to increase or reduce value down to -50.0°C or -58.0 °F (When temperature in Fahrenheit, minimum adjustable unit is 0.2 °F).

Humidity high limit set

After temperature high limit setting, press ✴key to switch to humidity high limit setting. When ↑ symbol shows up, and flashes together with humidity value, press⌃ key or ⌄key to increase or reduce value up to 100%RH.

Humidity low limit set

After temperature low limit setting, press ✴key to switch to humidity low limit setting. When ↓ symbol shows up, and flashes together with humidity value, press ⌃key or⌄key to increase or reduce value down to 0.0%RH.

Parameter Configuration

Exit setting mode

After humidity low limit setting, press ✳ key to exit setting mode and get back to normal display status.

⚠ When in setting, if no operation is made in 10s, it will exit configuration interface automatically. Or a manually hold on ✳ key for 2s to exit setting mode.

Technical Data

Sensor model	NTC thermistor/Humidity capacitance/Digital sensor
Temperature range	-20°C~70°C/-4°F~158°F
Temperature accuracy	±0.5°C/±0.9°F
Temperature resolution	0.1°C/0.2°F
Humidity range	0~100%RH
Humidity accuracy	±5%RH
Humidity resolution	0.1%RH
Sampling interval	5s
Most value period	Within 12hrs
Clock accuracy	<12min per year
Clock feature	Date automatic adjustment
Battery	1.5V AAA battery (LR03)
Battery lifetime	365days (Without alarm)
Storage temperature	-50°C~90°C
Housing	ABS+PC
Dimensions	95×107×18 mm
Weight	105g