

ProbeType Combustible Gas Leak Detector



 Please read the manual carefully before using the instrument and keep the manual properly for future use.

1

- Do not use this instrument in an environment with a relative humidity exceeding 80% (condensation).
- Please keep the instrument at the designated storage temperature and use it at the designated working temperature.
- It is prohibited to use it in enclosed spaces, as the space gas may have accumulated into explosive mixtures.
- Ensure that the concentration of the combustible gas in the space does not exceed the limit for explosion.
- Always use the known gas to test the instrument before conducting unknown gas detection, ensuring that the instrument operates normally before use.
- When the machine is turned on in a polluted gas environment, the sensitivity of the instrument may reduce the alarm threshold, leading to instrument detection errors.
- Please do not let the sensor come into contact with moisture or acidic gas, as it may cause damage to the sensor.

Overview

This instrument is a detection device, which can be used to quickly and reliably detect the leakage of combustible gas.

Security information

Please read the manual carefully and get familiar with the instrument before use.

Please keep the manual handy for reference when needed.

WARNINGS:

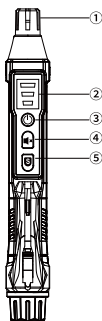
This instrument may cause danger.

For your physical safety, please do not use it as a monitoring instrument.

- The instrument is only used for the purpose specified in the manual and within the parameter range specified in the technical parameters.
- If damage, malfunction, or incorrect display occurs, please check the instrument. Do not use the instrument when it is malfunctioning.
- Do not use it on live device or make it come into contact with live device.

Instrument panel

- ① Sensor
- ② Concentration indicator light
- ③ Power key
- ④ Mute key
- ⑤ Sensitivity control key



Power on

Press  for about 1 second to turn on the device, and it will emit a "beep" sound.

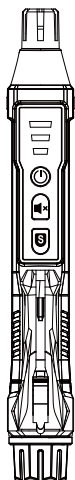
Power off

In the power on state, briefly press  to turn off the device, and it will emit a "beep" sound.

Mute control

Briefly press  to turn on or off the detection alarm sound: The mute key light is on, the mute mode is turned on, and there is no audible alarm during the detection process.

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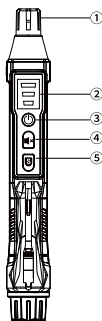
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The mute key light is off, the mute mode is turned off, and there is an audible alarm during the detection process.

Sensitivity control

Briefly press **S** to select the sensitivity:

The sensitivity key light is on, representing it is in the high sensitivity mode.

The sensitivity key light is off, representing it is in the low sensitivity mode.

Battery under voltage

When the battery voltage is below about 2.5V, the power indicator light flashes three times, and the instrument will emit beep three times. After that, it will be power off, indicating the battery voltage is low. To ensure normal detection, please replace the battery in time.

Automatic shutdown

If there is no detection signal within 5 minutes, the instrument will automatically shut down if there is no operation on the keys.

Detection operation

(1) Press **⏻** for about 1 second to turn on the power, and

Technical parameter

- Sensor: gas sensitive semiconductor
- Response range: about 50PPM~1000PPM (methane)
- Sensitivity: about<50ppm (methane)
- Gas detection (partial listed): acetone, acetylene, alcohol, ammonia, benzene, ethanol, ethylene oxide, gasoline, hexane, hydrogen, methane, naphtha, natural gas, paint thinner, propane, solvents, etc.
- Preheating time: about 35 seconds.
- Response time: ≤ 500PPM (about 5 seconds); >500PPM (about 2 seconds).
- Alarm method: sound and indicator light.
- Operating environment: temperature 0°C~50°C, humidity 20%~80% RH.
- Storage environment: temperature -10°C~60°C, humidity 20%~80% RH.
- Battery: two 1.5V AAA Alkaline batteries.

the power indicator light will be on. At the same time, the instrument will emit 3 "beep" sounds.

(2) The instrument automatically performs preheating for about 35 seconds, and the concentration indicator light will be on circularly.

(3) After preheating, the concentration indicator light will be off, and the power indicator light remains on.

(4) Slowly move the instrument sensor head (3 to 5 centimeters per second) as close as possible to the location needed to be detected for gas leakage.

(5) When combustible gas leakage is detected, the instrument emits a "beep" sound and the concentration indicator light will be on. The higher the environmental concentration, the more rapid the sound of "beep" emitted by the instrument, and the more indicator lights will be on.

(6) Press **⏻** to turn the instrument off, and it will emit a "beep" sound, and all indicator lights will be off.

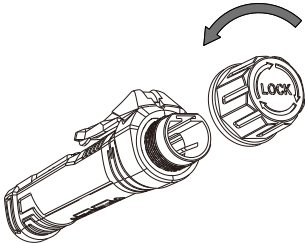
⚠ WARNING:

Please turn on the device in a clean air environment until the preheating is completed in about 35 seconds.

Battery replacement

As shown in the following figure:

1. Rotate the battery cover as shown in the figure.
2. Remove the old battery.
3. Install a new battery according to the positive and negative battery instructions.



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