

NATURAL GAS DETECTOR GA0080

Product Manual



**Perfect
Prime**

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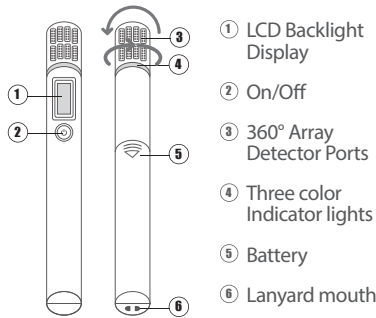
Introduction

Since Natural Gas is highly flammable and highly toxic to human, it is necessary to monitor gas leakage to ensure safety, especially in places like kitchens, service stations, storehouse and gas stations.

This Natural Gas Detector can be utilized for verifying any leakage from any sources within a few minutes, the product is easy to use with only one button to start analyzing.

Product Description

Model Number	GA0080
Detects	Natural Gas
Detection Technology	Catalytic method gas sensor
Detection Range	0-9999 ppm
Resolution	100 ppm



Tips

Beware of the +/- poles of the batteries



Safety Precaution, Consideration

- ⊘ Do not drop the device.
- ⊘ Do not let the device get wet.
- ⚠ Make sure that batteries are correctly installed.
- ⊘ Do not use near fire or high temperature locations.
- ⚠ Please take out the batteries when device will not longer be used for a long period of time.
- ⚠ Product will shut down automatically when battery power is low.
- ⊘ Do not disassemble the product.
- ⚠ Please handle the battery waste properly according to local laws and regulations.
- ⊘ Avoid straight wind flow from electrical appliances like electric fans.
- ⚠ Avoid contact with ethanol, perfume or gas like H2S, CO, SO2 and smoke:
To prevent disturbance on the sensor of the detector with high precision.
- ⚠ To locate average concentration in an area, take several readings from different spots and take the average.
- ⊘ Do not contaminate or block the detection window to maintain high sensitivity.

Reference

Flammable Gas Concentration

- **Flammable Gas Concentration** < 2500 ppm
→ Green light turns on.
- 2500 ppm ≤ **Flammable Gas Concentration** < 4000 ppm
→ Yellow light turns on.
- **Flammable Gas Concentration** ≥ 4000 ppm
→ Red light turns on.

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HORMES LIMITED
cs@perfectprime.com

G/F UNIT 3, 61 GLENTHORNE ROAD,
 LONDON W6 0LJ UNITED KINGDOM

+44 203 7695377

Retailer
 Email
 Address
 Telephone

Power On

1. Press and hold the On/Off button for a few seconds.
2. Device will start up.
3. The screen will display 200-second countdown.

Detection

1. After power on, 200-second countdown starts.
2. Wait until the countdown finishes.
3. The result will display on screen and indicator lights glow.
4. Press the On/Off button to turn on/off the backlight.

Switch Off

1. Press and hold the On/Off button for a few seconds.

Indicator lights definition

1. **Green light:** good air quality.
2. **Yellow light:** gas concentration is out of limits, ventilation is needed.
3. **Red light:** gas concentration is severely out of limits, a comprehensive indoor air clean up is recommended.
4. **Red light twinkling:** gas concentration is out of detection range, please vacate the premises immediately.

1. Why does the detector have a very high power consumption?

Ans: A lot of complicated operations is carried out by the device during the process to guarantee the detection accuracy and sensitivity, and thus large power consumption is necessary.

Please turn off the product to prevent waste of electricity when detection ends.

2. How big is the "detection area"? How many square meters specifically?

- Ans:**
1. For area which is less than 50 m², 1~3 locations test should be conducted.
 2. For area which is between 50~100 m², 3~5 locations test should be conducted.
 3. For area which is larger than 100 m², at least 5 locations test should be conducted.
 4. All the detection locations should be distributed on the diagonal or in quincunx form.
 5. Detection locations should be kept away from air vent, and at least 0.5m far away from walls.
 6. Height of detection locations is about 0.5~1.5 m, comparable to height of an adult.

3. Should the device be in a clean air area when the 200s is counting down?

Ans: Yes, Make sure the device is in clean air or a ventilated environment during the 200 countdown.

4. Does the device continue to monitor after 200s? If yes, for how long?

Ans: After the 200 seconds countdown, the device will continue to monitor until it is turned off.

5. What Natural gases can it detect?

Ans: It can detect most combustible gases: hydrogen, oxygen, natural gas, methane, ethane, acetylene, ethanol, propane, propylene, butene, methyl ether, vinyl chloride, liquefied petroleum gas, carbon monoxide, isobutylene

6. If it can detect more than one natural gas, how does the user know which one is detected?

Ans: Can not distinguish the types of combustible gas

7. What is the response time? Are the results instant?

Ans: Instant detection starts after the warm-up time