Perfect Prime

Natural Gas Detector Manual   : GA0080

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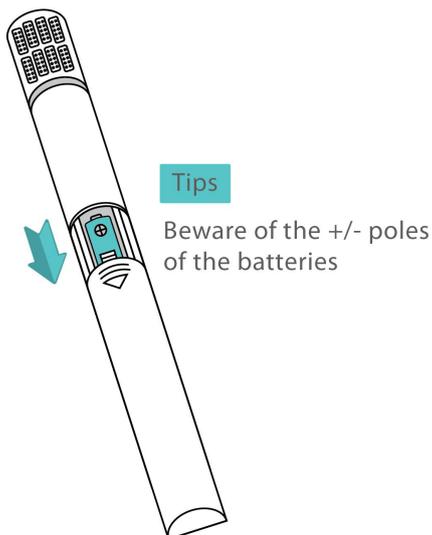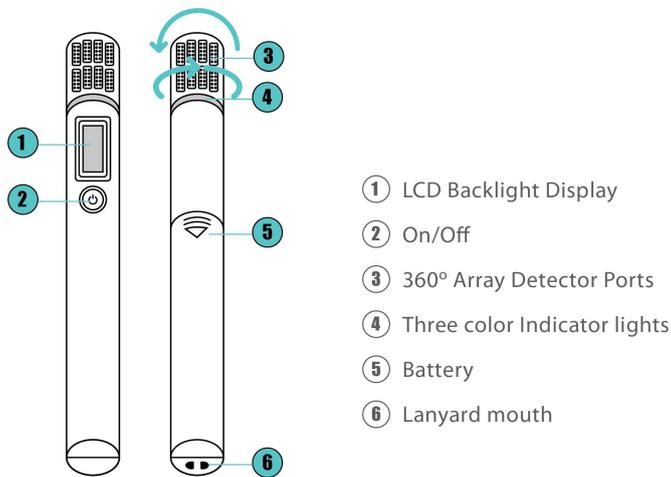
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Introduction

Since Natural Gas is highly flammable and highly toxic to human which necessitates monitoring of gas leakage to ensure safety, especially in places like kitchens, service station, 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

① LCD Backlight Display

② On/Off

③ 360° Array Detector Ports

④ Three color Indicator lights

⑤ Battery

⑥ Lanyard mouth

Tips

Beware of the +/- poles of the batteries

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

Safety Precaution And Consideration

- Do not drop the device.

- Do not let the device get wet.

- Make sure that batteries are correctly installed.

- Stay away from fire using in high temperature areas.

- 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 contacts 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.

Operation

- *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.

Reference

- **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.

FAQS

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: I) For area which is less than 50 m^2, 1~3 locations test should be conducted..

II) For area which is between 50~100 m^2, 3~5 locations test should be

conducted.

III) For area which is larger than 100 m^2, at least 5 locations test should be

conducted.

IV) All the detection locations should be distributed on the diagonal or in

quincunx form.

V) Detection locations should be kept away from air vent, and at least 0.5m

far away from walls.

VI) Height of detection locations is about 0.5~1.5 m, comparable to height of

an adult