

User Manual

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# Gas Detector

Model No.:GD-2542



FC CE

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### **Safety Cautions**

- Clean the product with clean damp cloth but never with chemical solvents and cleaning agent.
- Charge the battery with the product's own charger but never with chargers of otherwise specifications and parameters, to avoid damaging the product.
- Our company will not bear any responsibility for unauthorized dismounting of the flashlight.
- The device is powered up by Li battery. If the battery is damaged or needs to be replaced, contact our company or our vendor. When leaving the device unused for a long time, remove the battery house, and make sure to recharge the battery every three month.
- Do not shine light directly to eyes, as it may hurt the eyes.

**Warning:** The use of the product out of illegal purpose is forbidden. We are not liable for any claim and punishment raised from unauthorized use of the product.

### **Introduction**

The gas detector is easy-to-use and will give immediate response and send alarm when combustible gas is detected. This gas detector can test natural gas, liquefied gas, coal gas, gasoline, Alcohol lamp, etc.

### **Features**

- Versatile modules can be attached on, including flashlight camera, GPS guard tour system, gas detector, infrared thermometer, vibration detector, high-pitch alarm, etc.

- Quick & easy installation with accessories and 25-series modules through 18650 battery.
- Battery with overcharge, overdischarge, and short current protection, and can be used to provide power for mobile phone.
- With only one button, it is easy to operate the device.

### **Operations**

Load Li battery before using the gas detector. Press ON/OFF button to activate the detector, red, yellow and green indicators will flash alternately, and the alarm beeps; after 30 seconds, red and yellow indicator stops flashing, while green indicator goes on flashing, the detector enters standby state and begins to work. After 5 minutes, all the indicators will automatically shut off when there is no combustible gas found; if combustible gas is detected, red and yellow indicators keep on, green indicator flashes, and the alarm beeps.

### **Technical Data**

|                     |                             |
|---------------------|-----------------------------|
| Range               | ((0~100%) LEL)              |
| Sampling type       | Natural diffusion           |
| Working temperature | -40°C - 70°C                |
| Working humidity    | Less than 95%RH             |
| Working voltage     | DC 4.2V (25-series battery) |
| Standby time        | 5min                        |
| Alarm               | More than 40dB              |
| Response            | Less than 10s               |
| Recovery time       | Less than 30s               |

## Options

- **Battery**  
18650 Li-battery 2400mAH with overcharge, overvoltage and overcurrent protection.
- **Battery Connector**  
For connecting two batteries in parallel to increase battery quantities and capacity.
- **Charger Cap**  
For recharge battery.
- **LED Flashlight**  
Cree R2 LED outputting 140 lumens.
- **Laser Light**  
500mw green light in different patterns.
- **720P Camera Flashlight**  
2\*Cree R2 LEDs outputting 280lumens; records 720p video, 5mp photo.
- **High-pitch Alarm**  
Sending 100db alarm signal in emergency, with piezoelectric technology and flame retardant ABS, waterproof up to IPX3.
- **Gas Detector**
- Detection for natural gas, liquefied gas, coal gas, gasoline, alcohol, etc.
- **Contact Guard Tour System**  
Integrated touch reader with ID card.



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