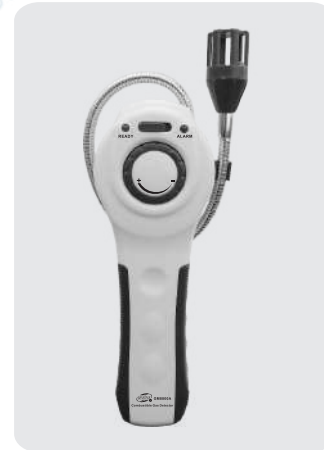




MODEL: GM8800A

Combustible Gas Detector Instruction Manual



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1. Before use

Check up

Thanks for your purchasing our product, please check the following components after you unpacking the box. If there is any missing or wrong page manual, please contact the local dealer.

- | | |
|-----------------------------------|------|
| ○ Combustible gas detector | 1PCS |
| ○ Case protective cover | 1PCS |
| (Have been put on the instrument) | |
| ○ Goose neck sensor | 1PCS |
| ○ 1.5v Ir14 alkaline batter | 3PCS |
| ○ Manual | 1PCS |
| ○ Guaranty card | 1PCS |
| ○ Cloth pouch | 1PCS |

Safety instruction

For your safety, please read this manual before operation.

 :This operation may induce physical hazard to users.






Please be careful.

 :This operation may cause damage to the instrument.

Please be careful.

 **Warning!**


If there is explode accident happening:


-  Cut off all the potential gas resource
-  Keep the rescuing area ventilated and no potential combustible gas existing.
-  Switch off all the power connection.
-  Evacuate all the people in the area
-  Report to the authorities immediately


In daily work, please keep the work environment ventilated, for good ventilation can ensure that combustible gas will not accumulate.


Warnings and Precautions


Improper operation or improper environment for usage may cause accidents.

 The environments with high or low oxygen concentration may cause inaccurate measurement.


 Other impurities such as gas or water vapor may affect the normal measurement of combustible gas sensor.


 The sensor aperture must be kept clean, or impurities may cause inaccurate measurements.

 When replacing battery, be careful not to install batteries backwards, otherwise it may cause the danger of electric leakage and accidents.

 If the instrument breaks down, please turn to professional staff of our company for help, other people should not change components and wiring.

 Do not disassemble the instrument in hazardous environments.

 Do not disassemble the battery in explosive environments.

 This product complies with the following procedures and calibration:

JJG693-2004, GB3836. 1-2010

GB3836. 4-2010, GB4208

Brief

This product one-hand-operated can detect the leaked gas indoors with its slim goose neck sensor, and alarm if gas leaks.

Technical index

Sensitivity:	50ppm Methane
Ensor Type:	Low Power Semiconductor
Warm-up Time:	60 seconds
Response Time:	2 seconds
Operation Cycle:	Continual Operation
Sensor Size:	16 Inches
Power Supply:	3 C-type bayyeries
Battery Life:	Continual Use For 8 Hours
Alarm Limit:	Lel 10% Of Methane



Lel means lowest explosive level that the gas may explode in the air when being fired.

Application and characters

Hand-hold design allows you operating easily and the visual and acoustical alarm can detect the gas resource precisely. And the adjustable beep rate helps to decrease the polluted gas density in the air.

- High sensitivity
- Quick find the resource of leakage
- Indicating the leakage via alarming bulb
- High precision sensor able to detect slight gas leakage
- Quick response
- Monophony earphone socket
- 16-inch long goose neck

International safety knowledge

-  This operation must refer to instruction.
Please be careful.
 -  Complying with eu standard
- Explosion-proof sign: Ex ib IIB T3 Gb

Specification

1. Response time: 2 seconds
2. Warm-up time: 60 seconds approx (25°C, 60%RH environment)
3. Continuous operating time: 8 hours (varying with operating status)
4. Low battery indication: 3±0.2V
5. Operating environment temperature: 0~50°C
6. Detectable control
7. Sensor reset
8. Power & Alarm LED indication
9. Power: 3*1.5V LR14 batteries
10. Working current: about 150mA
11. Product size : 76*51.4*220mm

Operation environment

To keep the reliable and precise output, please operate the product in the environment conditioned below:

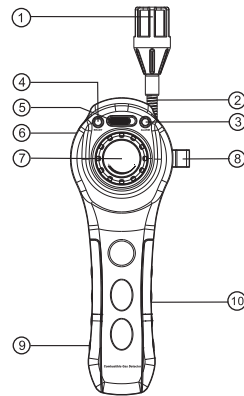
Temperature: 32~120°F, 0~50°C

Humidity: 10~90%RH (non-condensation)

2. Operation manual

Device and indication device

- (1) Sensor tip and built-in sensor
- (2) Goose neck
- (3) Alarm indication
- (4) Power indication
- (5) Power on toggle switch
- (6) Earphone socket
- (7) Beep sound rate adjustment
- (8) Sensor clip
- (9) Handle
- (10) Battery door



Operation instruction

Open the unit in clean environment with switching to on position, when the battery is full the green LED will be on and the unit is to be warmed up for 1 minute and reset to zero automatically. Persistent sound of ticking alarm lies in that the sensitivity of rotary dial adjusted beforehand is not down to the lowest level.

Beep rate(sensitivity) adjustment

Before operate this product, a quick functional test must be performed. Adjust the ticking rate to a non-alarm level and the instrument will detect flammable gas after warm-up. When the probe is exposed to a known gas source such as unburned lighter gas (butane) or flowing flammable gas, the "ticking" sound begins to intensify when the sensor at the top of the probe detects flammable gas and the instrument will set off alarm, with warning light (red light) flashing. Continuous ticking will arise due to gas concentration if the operation environment needs to be quiet, or the environment is noisy, you can use the headset. (Insert the headset into the headphone jack on the upper left side of the instrument). Please be noted that the alarm and beep may sound very loudly. If the ready led or the battery is too low please replace the battery immediately. Low battery may impact the safety reliability of the product.

The beep sounds quicker and quicker if the sensor is approaching the gas resource closer and closer. And you may use the dial at the center of the product to control the beep rate.

Rotate the knob anticlockwise to slow down the beep sound rate.

In clean environment, the typical rate is set within range 4-8 times per second, when the sensor is approaching the gas resource, it sounds quicker, to isolate the gas resource, rotate the knob anticlockwise slight.

Replacing battery(Note: Please replace batteries in safe environments)

If the instrument have following status, Please replace the 1.5V LR14 alkaline batteries:

- The yellow READY LED is out
- No other LED is on as turning on the unit.

Follow the steps below to replace the battery.

- (1) Put the unit back upside
- (2) Take off the protective cover of the unit to open the battery door.
- (3) Take out the battery
- (4) Insert 3 fresh batteries.
- (5) Please do not install batteries backwards.

Replacing sensor

The sensor of the unit can provide reliable service for years, it must be replaced only if the sensor is immersed into liquid or Long-term storage at high temperature and acid environment.

1. Turn off the unit
2. Take out the sensor cap
3. Take out the old sensor
4. Replace them with new sensor and cap
5. Restart the instrument and carry out 'operation check' step

3. Others

Gas detecting

The instrument is an advanced detection apparatus that can be used to test leakage of a variety of flammable gases.

Combustible gas

The following list only shows partial gases can be detectable.

- Natural gas
- Propane
- Butane
- Methane
- Propanol
- Ethanol
- Ammonia
- Steam
- CO
- Gasoline
- Spraying fuel
- Sulfurated hydrogen
- Smoke
- Industrial solvent
- Paint
- Naphtha

Keep-up and maintenance

1. Keep-up:

- Keep-up and replacement of battery:
Take out the battery from the unit which will not be operated for a long time less the leakage of battery damage and erode the battery contact metal.

Case cleaning:

Use only the fresh water to clean the case of the product, forbidden to use any erosive liquid such as alcohol etc.

- Make sure the sensor is clean and use a soft brush to clean sensor aperture.
- Never impact it or operate and store it in humid environment.

Do not store the product in the environment below:

- a. Humid or dusty environment
- b. High density of salt or sulfur
- c. Environment full of the other chemical gas
- d. High temperature or humidity, or environment in direct sunlight.

2. Maintenance:

Please refer to the guaranty card offered. We hold no responsibility for the product due to the following reason:

Unauthorized disassembly of the product, improper transportation after purchasing and wrong storage, damage due to abuse, failure to provide purchasing proof or unauthorized amendment on the purchasing invoice/guaranty card

3. Claim:

- a. We reserve the right to change the specification or instruction manual of the product without further notification.
- b. Old battery dealing must be complied with the local law and regulations.