Version：8800A-EN-0

Combustible Gas Detector Manual

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Contents

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 (Have been put on the instrument)	1PCS
Goose neck sensor	1PCS
1.5v lr14 alkaline batter	3PCS
Manual	1PCS
Guaranty card	1PCS
Cloth pouch	1PCS

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Safety instruction

For your safety, please read this manual before operation.

"warning" : indicating dangerous operation which may result in physical harm to the operator.

"caution" : indicating the operation may result in instrument damage.

If the product is used as a sos signal, please ensure the staff can find the gas leakage immediately.

⚠ 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 ordinary work, please keep the environment ventilated so as not to have the dangerous gas coming to a high density above lel.

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

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 Batteries
Battery Life :	Continual Use For 8 Hours
Alarm Limit :	Lel 10% Of Methane

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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

Operation environment

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

Temperature : 32~120℉

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

Specification

1.Response time: 2 seconds

2.Warm-up time:60seconds approx（25℃, 60%RH environment）

3.Continous operating time: 8hours(varying with operating status)

4.Low battery indication:3±0.2V

5.Operating environment temperature:0~52℃

6.Detectable control

7.Sensor reset

8.Power & Alarm LED indication

9.Power:3*1.5V LR14 batteries

10.Product size :76*49*220mm

International safety knowledge

⚠ Indicating the operation must be done complying with manual

CE Complying with eu standard

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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

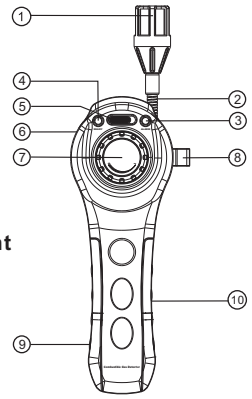
(6)Earphone socket

(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. The beep sounds continuously, it results from the beep rate adjusted beforehand.

Beep rate(sensitivity) adjustment

Before operate this product, a quick functional test must be performed. Adjust the rate to the non-alarm level, then expose the sensor to the known gas resource for example butane or other combustible gas, after warm up, the unit can detect the gas. When the sensor tip detects out the gas the beep sounds quicker and quicker, and the unit sounds softly with the alarm(red light) flashing. An earphone may be applied if the environment is noisy (put the earphone into the socket on the top of unit. 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 know anticlockwise slight.

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Replacing battery

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.

Replacing sensor

The sensor of the unit can provide reliable service for years, it must be replaced only if the sensor is immerged 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.Turn on the unit to start the operation-check steps.

3、Others

Gas detecting

This unit is an advance instrument widely applied to detect the following combustible,non-combustible gas and poisoning 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
- Sulgureted hydrogen
- Smoke
- Industrial solvent
- Paint
- Naphtha

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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.
  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.

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