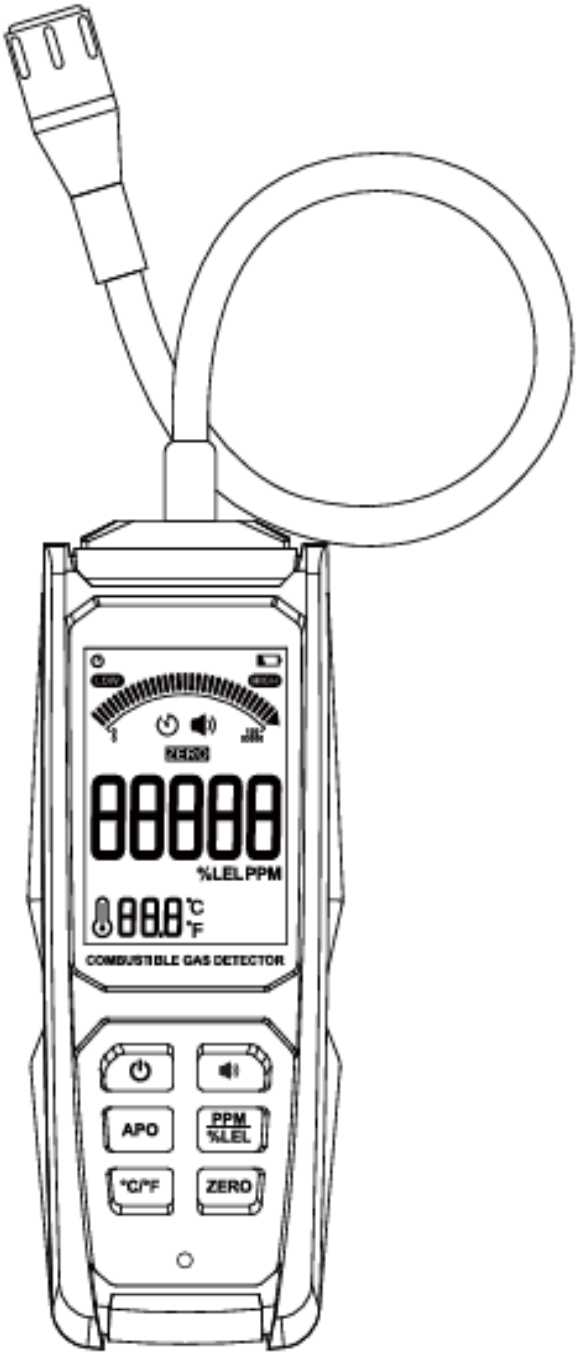
USERS MANUAL

COMBUSTIBLE GAS DETECTOR



Before using the instrument,please read this manual carefully,and save it well for future using.

Out of box audit

Please check whether the unit is damaged in transit when receiving it. In case of obvious damage or abnormal operation, please contact the seller.

Accessories:

①.Combustible gas detector	x1
②.USB Type-C charging cable	x1
③.Instruction manual	x1
④.Cloth bag	x1

1. Product introduction

Combustible gas detector adopts portable design, VA reverse display color screen, flexible metal hose and metal sensor shield to reduce interference. Its high-performance sensor has the characteristics of high sensitivity, good reliability and fast response speed.

The detector is an ideal detection unit for gas pipeline leakage detection, household gas prevention, oil and gas exploitation, tunnel and mine operation, chemical industry, metallurgy, refining and chemical industry, biochemical medicine and other industries.

1. The design,production and verification of this product comply with the regulations:

＞JJG693-2011 (combustible gas detection alarm)

2. Please read the instruction manual before use and follow all the operation. Otherwise, it will endanger people's lives and cause equipment damage.

3. To avoid failures and accidents, the detector should not be placed in the following environments: direct sunlight, high temperature, humidity, dust, strong electromagnetic environment, corrosion or mechanical vibration.

2. Characteristics of combustible gas detector

>Flexible hose is suitable for all kinds of scene detection.

>simple operation, quick response,high sensitivity and accurate leakage detection

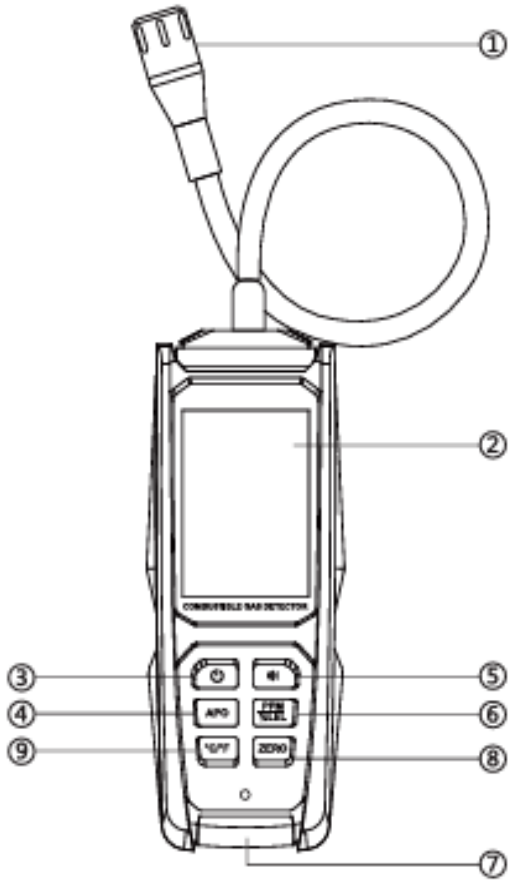
>VA reverse display color screen,digital and analog dual display

>compact structure, firmness, durability and portability.

>measurement unit one key conversion for PPM and %LEL

>triple alarms, sound, vibrate screen display

3. Introduction of appearance



1.Probe

2.Monitor

3.Power

4.AOP automatic shutdown on-off key

5.Sound key

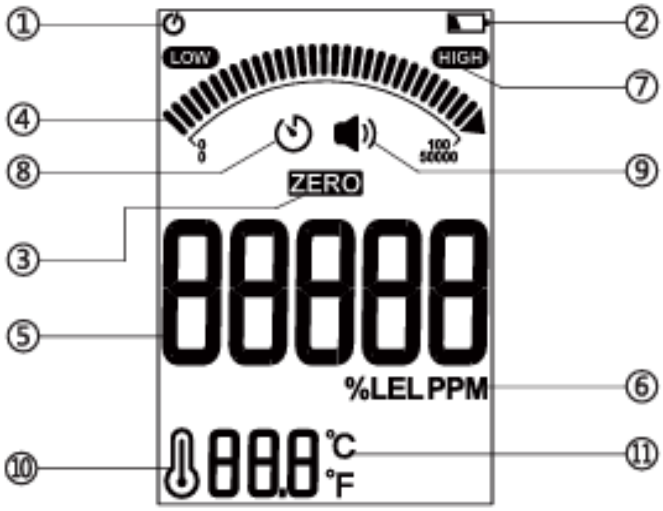
6.PPM/%LEL unit conversion key

7.Charging interface

8.ZERO reset key

9.Temperature unit conversion key

4. Introduction of Monitor



1.Automatic shutdown symbol
2.Battery undervoltage symbol
3.ZERO reset
4.Analog display
5.Numeric display
6.Measurement unit
7.HIGH alarm prompt
8.Timing symbol
9.Horn
10.Temperature
11.Temperature units

5. Precautions

1.When the instrument is turned on, it enters the automatic calibration mode for about 30 seconds. In the calibration mode, please place it in the normal gas environment or away from the gas leakage environment, otherwise the detection is affected.

2.The metal detection protective net of the unit must be kept clean and dry. If there is any pollution, the protective net should be twisted off immediately for cleaning.

3.Please avoid high temperature environment or direct sunlight when the built-in 18650 lithium battery is working or charging .

4.It is forbidden to use the unit in an environment containing water vapor,acid gas,alkaline gas,strong oxidizing gas and dust.

6. Use

1. Long press the (⏻) key to start the unit,and it automatically calibrates for 30 seconds. After the countdown, the unit can be used normally.

2.Short press the (APO) key to turn off or on the automatic shutdown function.

3. Long press the (ZERO) key for 5 seconds to automatically reset.

4.Short press the (PPM/%LEL) key to convert the measurement unit.

5. Short press (🔊) to turn off or turn on the audible alarm.

6. Short press (°C/°F) to switch between Celsius and Fahrenheit degrees.

7. Move the probe of the unit slowly to the position where there may be gas leakage. If the detected gas leakage value is above 10%LEL, the unit sounds, vibrate, and the screen displays a HIGH alarm. When the detected value decreases to 10%LEL, the alarm stops.

7. Technical parameters

Product name	Combustible gas detector
Detecting gas	Natural gas,coal gas,liquefied petroleum gas
Test flow	1L/min
Gas resolution	1%LEL/1PPM
Gas measuring range	50-50000PPM/0-100%LEL (based on methane)
Charging interface	USB Type-C
USB charging	5V/1A
Power Supply	Built-in 18650/2000mAh/3.7v
Charging time	About 4h
Measurement accuracy	＜±5%LEL、＜±500PPM
Sampling mode	Diffusion type
Response speed	2 seconds
Calibration mode	Automatic calibration in 30 seconds after startup
Automatic shut-down	About 10 minutes.
Display	LCD
Type of alarm	Sound, vibrate , screen display
Preheating time	30 seconds
Operational current	About 185mA
Working temperature	0-50℃
Working humidity	0-70%RH
Storage environment	-10~50℃（5%---95%RH）
Length of flexible metal hose	270mm
Size	160*63*32mm
Weight	About 277g

8. Maintenance

＞Do not drop or hit the unit.

＞It is forbidden to disassemble the unit to avoid failure.

＞The unit storage environment should be away from high temperature, humidity, corrosive gases or objects.

＞The unit should be cleaned with soft cloth with little water or neutral detergent for natural air drying.

9. Charge

1.Please charge in an environment with good ventilation and heat dissipation, using an adapter that meets the relevant safety certification requirements, and pay attention to the electricity safety specifications.

2.When the unit displays ( ) ,it means that the battery is low. Please charge the unit as soon as possible. The charging time is about 4 hours, and the actual time varies due to various factors.

3. When the instrument is charged, the indicator light turns red and green after charging, indicating that the battery has been fully charged. Please unplug the charging plug in time, and do not charge for a long time.

4.The unit automatically shuts down and cannot be started, during charging and can be used normally after the charging is completed or when the charging is stopped.

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CE RoHS

M101040072

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