

## Combustible Gas Detector AS8800L Instruction Manual



### 1. Introduction

This instrument provide combustible gas detection. It is excellent apply on any situation of combustible gas or vapour or residue for pinpointing known leaks, checking for leaks and verifying safety of potential hazardous locations.

Some application are:

- A. Gas lines and pipes
- B. Propane gas refill station
- C. Fuel in marine bilges
- D. Exhaust and fuel leaks
- E. Check manholes for safety

Note:

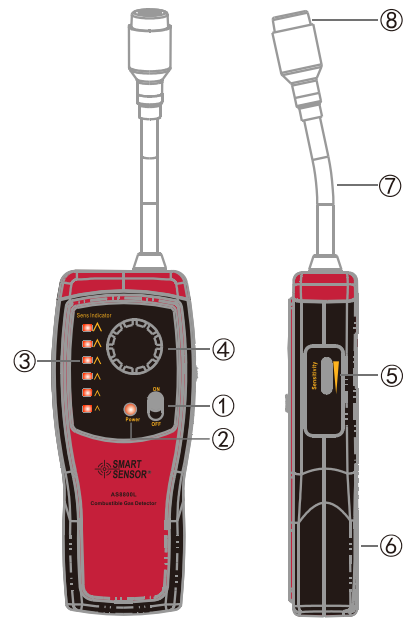
Although the unit will respond to high level of Carbon Monoxide, it should not be used as a detector for this gas in normal room or working atmospheres. It used to pinpoint a leak as described in the Operation Instructions.

### 2. How it works

After the automatic warm up, when the sensor of the instrument detected vaporous & gas-form combustible compound, the signal variate as the increase tick rate with LED will light up to located the combustible leaks. That help the user to take effective reaction to clear potential hazard.

### 3. Features

- 3.1 Adjustable sensitivity
- 3.2 Auto fast warm-up
- 3.3 Alarm indication
- 3.4 Low battery indication
- 3.5 Leak size indication (Audio and Visible)
- 3.6 Instant response and pinpoint leak position



### 4. Diagram and description

- ① ON/OFF switch
- ② Power indicator
- ③ Leak size indicator
- ④ Speaker
- ⑤ Sensitivity adjust knob
- ⑥ Battery compartment
- ⑦ Flex probe
- ⑧ Probe knob

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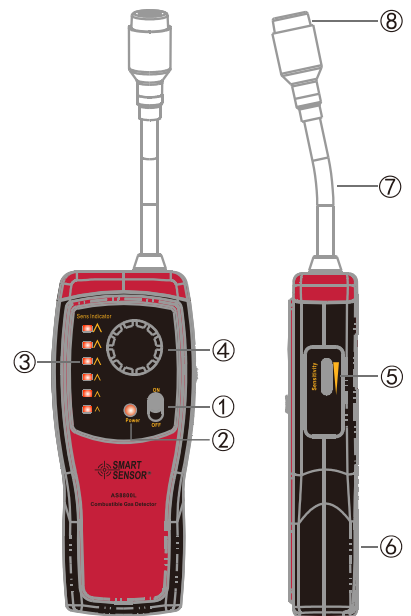
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5. Operation instruction

- 5.1 Turn the unit off and the sensitivity knob fully counter clockwise.
- 5.2 Turn the unit on in a non-contaminated atmosphere by slide the switch to ON, the power indicator will be lit. Power indicator keep on light show the battery power is sufficient, it ensure the unit precise detection.
- 5.3 After turn on, the unit will auto warm-up within 20 sec, a ticking sound will be heard.
- 5.4 Adjust the sensitivity control until the first leak indicator light up, the ticking speed up.
- 5.5 Approached the sensor to a known leak source, the leak size indicate lights will increase with the rapid ticking. Above steps to ensure the unit working correctly, now the unit are ready to use. If the battery power in sufficient state but the sensor approach a known leaks without any responds, do not use the instrument, please return for repair.
- 5.6 In conjunction with the increased tick rate, the leak size indicator will light from down to top as a larger combustible concentrations.
- 5.7 Search the general area of the leak. When a detectable compound enters the sensor, the ticking speed up.
- 5.8 If you are searching for a heavy leak source, please lower the sensitivity in a clear air by turning the adjustable knob (until the leak size indicator turn off).

6. To change batteries

- 6.1 During operation, if the power indicator is blinking, it is necessary to change batteries.
- 6.2 Change the batteries properly, cover battery door.

Note:

- A. Battery must only be charged or replace in an area known to be no-hazardous. Make sure the charger plug is completely plugged into the unit.
- B. Turn off the unit when replace the battery.
- C. Do not short circuit the metal pieces of the battery.
- D. Do not clean the sensor probe to avoid the water, oil stain, dust entering into probe. (important)

7. Specifications

Detect Item	Combustible gas
Sensitivity	Variable, minimum 50 PPM (methane)
Response time	Instantaneous
Warm-up time	<20 seconds
Continuous operation time	9 hours (slightly vary with working condition)
Low battery indication	Replace batteries while power indicator blinks
Power supply	3*1.5V AA batteries
Working Condition	0 to 50°C ; ≤80% RH(Non gel)
Storage Condition	10 to 60°C ; 0% to 90% RH

8. Cautions

- 8.1 Do not use the instrument in an area of extremely high level of combustible gas.
- 8.2 The gas/vapor of organic solvent might interfere the function of the unit. During detection, please eliminate the influence of the organic solvent.
- 8.3 In order to ensure correct operation and indication, the unit should be switched on and warm-up in non-contaminated atmosphere.



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