

MT-4611 Combustible Gas Detector User's Manual



Introduction:

Thanks for purchasing Pro'sK MT-4611 Combustible Gas Detector. It detects the presence of combustible gas and nuisance vapors, such as Natural Gas, Methane, Ethane, Propane, Butane, Acetone, Alcohol, Ammonia, Gasoline, Jet Fuel, Hydrogen Sulfide, Smoke, Industrial Solvents, Lacquer Thinner and Naphtha in concentrations as low as 10% LEL for Methane and alerts the user with audible and visual alarms. The 35cm flexible probe will provide easy access in hard to reach areas. With proper use, this detector will provide years of reliable service.

Features:

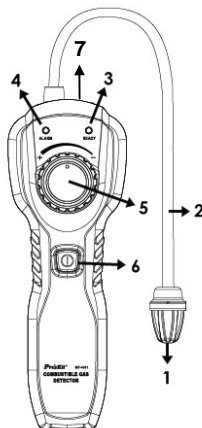
- Quickly-response sensor for accurate detection
- Detection at 10% ~ 40% lower explosion limited
- The 35cm flexible probe, allows location and detection of leak in hard-to-reach and confined spaces
- Visible & audible alarm
- Adjustable sensitivity setting helps precisely locating leaks
- Comes with earphone jack

⚠ Important note:

- Always turn the meter on in an atmosphere free of combustible gas.
- Please read this manual carefully before using the detector.
- Do not replace the batteries in an explosive atmosphere.
- Frequently check meter operation using an unlit gas burner or lighter
- Please turn off when not in use to avoid running out of power

Specifications:

- Resolution: 50 ppm
- Alarm range: 10%—40% LEL (Lower Explosion Limited)
- Response time: < 2S (40% LEL)
- Working temperature: 0~50°C
- Operating humidity: 10~90%(no freeze)
- Power Source: 4 x 1.5V/AA Battery
- Dimension: 200x72x45 mm



Description

1. Sensor tip for detecting combustible gas
2. The 35cm fixable gooseneck tube
3. Power indicator
4. Alarm and low battery indicator
5. Sensitivity adjustment knob
6. On/Off switch
7. Earphone jack

Note: Battery compartment is on rear of unit

Operation

Warm-up before use

1. In a gas free atmosphere, push the ON/OFF button to power on the detector.
2. Hold the MT-4611 in the clean ambient air during at least 2 minute (typical) warm-up, self-zero cycle.
3. Some intermittent alarm tones may be experienced for a short time as the detector warms up, the alarm will stop sounding when the MT-4611 is ready for use, if the detector is in an area where combustible gas is present, the alarm may not stop.

Note:

Warm-up time is depending on when the last time the meter was used. The MT-4611 will automatically zero itself on activation. If the sensor was overexposed, the MT-4611 will enter into an automatic cycle to reset. In this instance, the unit will alarm at peak level and decrease to zero.

Earphone Jack

When works in a noise area, an earphone can be plugged into the MT-4611. In addition, the speaker is disabled when an earphone is connected so the ticking and alarm will not disturb others in the general area.

A definition of % LEL:

The LEL of a flammable gas is the minimum concentration of that gas, at normal ambient conditions, at which it will burn if there is a source of ignition present. At a concentration below the LEL, the gas will not burn. Gas detectors for flammable gases are calibrated in the range 0-100% LEL.

Leak Detection

1. After warm up, MT-4611 is ready to detect.
2. Trace the sensor around the source of the suspected leak. When leaking gas is detected the alarm will sound.
3. If the level of gas is approximately at 10% LEL of Methane, the Alarm Red LED will light up and the tone will sound.
4. In areas of high gas concentration, the sensitivity rate can be readjusted to pinpoint the location of the leak.
5. Turn the sensitivity knob clockwise to reset to a lowest rate.
6. Push on/off button to power off the unit.

Maintenance

Caution! Storing in a damp environment will damage the sensor!

Battery Replacement

If the green LED flashes or does not illuminate, the batteries need to be replaced. The battery compartment is located at the rear of the MT-4611. Please unscrew and open the cover of battery compartment, then replace the four AA (1.5V) batteries. Ensure that the compartment cover is securely screw fastened when finished.

Cleaning and Storage

Wipe the detector only with a damp cloth as needed. Do not apply abrasive, solvents, or other cleaners to the surface of the detector or sensor. Store with the batteries removed and avoid extreme temperature and humidity.

MT-4611 可燃氣體探測儀 使用說明書



探測氣體種類:

天然氣，甲烷（沼氣），乙烷，丙烷，丁烷，丙酮，酒精，氨氣，氫氣，汽油蒸汽，硫化物，有機溶劑蒸汽，煙霧，油漆稀釋劑，石腦油，易揮發工業溶劑。

功能描述：

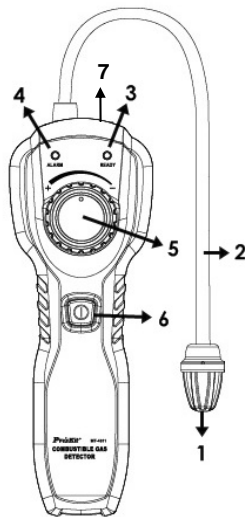
- 快速識別和確定可燃氣體洩漏位置
- 可調節靈敏度
- 高靈敏度
- 聲光告警
- 支持耳機插孔

重要提示：

- 請在純淨空氣中預熱後再使用。
- 當綠燈閃爍時，請及時更換電池。
- 不用時請及時關機，以免耗盡電量。

主要規格:

- 解析度：50 ppm（甲烷）
- 告警範圍：10%—40% LEL（爆炸下限）
- 回應時間：< 2S（40% LEL）
- 工作溫度：0~50°C
- 工作濕度：10~90%（不結露）
- 外形尺寸：200×72×45 mm
- 供電方式：1.5V/AA 電池 x 4 個



1. 感測器，用於探測可燃氣體
2. 萬向連接杆
3. 電源
4. 告警指示燈及電池低壓指示燈
5. 旋鈕，用於調節靈敏度
6. 電源開關
7. 耳機插座

使用方法：

紅燈：探測警告指示燈和電源低壓警告指示燈

綠燈：電源指示

1. 在純淨空氣中，按下電源鍵開機，綠燈亮。
2. 順時針旋轉旋鈕調至最低靈敏度處，等待至少 2 分鐘預熱。

備註：如果預熱過程中紅燈會不間斷閃亮，伴隨警告聲，這是由於感測器沒有穩定下來造成的，不用理會。

3. 預熱後，逆時針旋轉旋鈕調至臨界報警點，此時探測靈敏度最高。紅燈不亮，不警告，允許紅燈偶爾亮，不影響儀錶性能。
4. 單手握緊儀錶，此時不能再調節旋鈕，使感測器慢慢靠近被測氣體。當探測到一定濃度可燃氣體時，紅燈閃爍，並伴隨警告聲，濃度越大，警告越強烈。
5. 探測完成後，把旋鈕順時針調至最低靈敏度處，按下電源鍵關機。