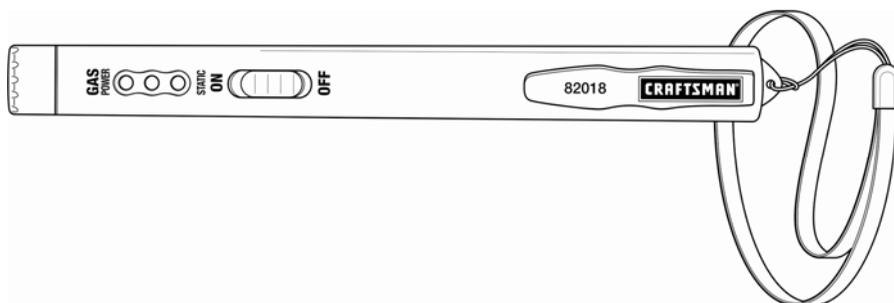


# Owner's Manual



## Gas Leak Detector

### Model 82018



**CAUTION:** Read, understand and follow Safety Rules and Operating Instructions in this manual before using this product.

- Safety
- Operation
- Maintenance
- Español

Sears Brands Management Corp., Hoffman Estates, IL 60179 U.S.A.  
[www.craftsman.com](http://www.craftsman.com) 122112

## ONE YEAR FULL WARRANTY

### CRAFTSMAN ONE YEAR FULL WARRANTY

FOR ONE YEAR from the date of purchase, this product is warranted against defects in material or workmanship. A defective product will be replaced free of charge.

For warranty coverage details to obtain free replacement, visit the web site: [www.craftsman.com](http://www.craftsman.com)

This warranty is void if this product is ever used while providing commercial services or if rented to another person.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Sears Brands Management Corporation, Hoffman Estates, IL 60179

**For Customer Assistance Call 9am-5 PM (EST)  
Monday through Friday 1-888-326-1006**

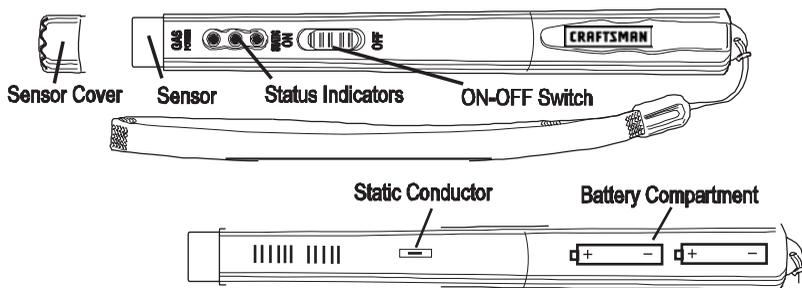
## SAFETY INSTRUCTIONS

- Do not get the sensor wet. Avoid extreme dampness
- Do not expose the device to high temperature, high humidity, or strong vibration
- Avoid mechanical stress to the device. Do not touch the sensor
- Clean with a soft, dry cloth or brush. Do not use liquid, abrasives, solvents, etc.

## SPECIFICATIONS

Measurement ranges	Propane: 500 to 6500 ppm Natural gas: 1000 to 6500 ppm
Power	2 x 'AAA' 1.5V batteries; 200mA consumption 4 hour battery life
Operating conditions	50 to 122°F (10 to 50°C); < 95% RH non-condensing
Storage conditions	41 to 131°F (5 to 55°C); < 95% RH (non-condensing)
Dimensions	7.1" Length; 0.8" diameter" (180mm length; 21mm diameter)
Weight	1.6 oz. (46g)

## METER DESCRIPTION



## **BATTERY REPLACEMENT**

When the status indicators fail to light with the ON-OFF switch in the ON position, replace the two (2) 'AAA' batteries. Slide the battery compartment cover off (rear of the detector) to access the batteries. Replace the batteries observing polarity and close the compartment. Remove the batteries if the detector is to be stored for long periods of time

## **APPLICATION**

This device can be used to detect gas leaks from small liquid gas containers such as camping cartridges, lighters, soldering torches, etc. This device is not suitable for continuous operation, industrial use, or complex systems such as heaters and ovens.

## **OPERATING INSTRUCTIONS**

### **Static Electricity**

The metal conductor protruding from the back of the detector is used for static tests. Before detecting a leak (and at a safe distance from the testing area), touch the conductor with one hand and, at the same time with the other hand, touch an earth grounded metal object such as a heater or cold water pipe. If the user is statically discharged, the yellow indicator will light for a short period. If there are strong charges present, gas detection measurements should not be taken since discharges could ignite leaking gas.

### **Leak Detection**

1. Remove the protective sensor cap.
2. Slide the ON/OFF switch to the ON position. The Red indicator will light and the audible tone will sound for a short period of time and then the Green indicator will light.
3. Perform the static electricity test.
4. Trace the sensor around the source of the suspected leak.

### **Indicators**

- Yellow: Used for static electricity tests.
- Red: Lights when gas is detected (along with an audible beep).
- Green: Lights in clean ambient air

### **When Gas is Detected**

When a leak is detected, the red indicator will light and an audible tone will sound. Open all doors and windows. Avoid open fire and sparks, leave the room, and do not operate any electrical switches (light switches, etc.). If possible, turn off the gas supply. When the concentration of gas falls below detectable limits, the red indicator and audible tone will no longer activate when tests are taken. Note that false alarms are possible due to the presence of aerosol sprays, tobacco smoke, etc.

### **Testing the Gas Leak Detector**

Hold a gas lighter close to the sensor and allow the unlit lighter to leak a small amount of gas. If the detector is working correctly, the red indicator will light and the audible tone will sound. If the light and sound do not activate, the batteries may be weak or the unit is defective.

### **Note on Liquefied Gases**

Liquefied gases are heavier than air and therefore settle on the floor. For this reason, the highest concentration of gas is close to the ground.

## **TROUBLESHOOTING**

There may be times when your meter does not operate properly. Here are some common problems that you may have and some easy solutions to them.

### **Meter Does Not Operate:**

1. Always read all the instructions in this manual before use.
2. Check to be sure the battery is properly installed.
3. Check to be sure the battery is good.

### **If You Do Not Understand How the Meter Works:**

Call our Customer Service Line **1-888-326-1006**.

## **SERVICE AND PARTS**

For replacement parts shipped directly to your home

Call 9 am – 5 pm Eastern Time, M - F

**1-888-326-1006**