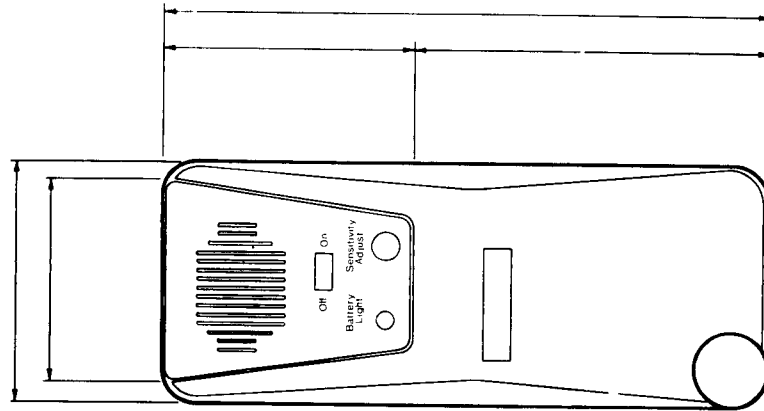


**Snap-on.**

**ACT 8800**

**Combustible Gas Detector**

OWNERS MANUAL



**CAUTION!**

Batteries must only be changed or recharged in an area known to be non-hazardous. To avoid damage to the recharger or unit, make sure the recharger plug is completely plugged into the unit and the batteries are installed in the correct orientation.

**CAUTION!**

Always check instrument on a known combustible leak source before using.

**General Description**

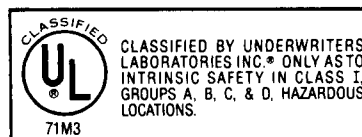
**The ACT 8800 is a new, improved, battery operated, solid-state electronic combustible gas detector.**

This instrument provides a "geiger counter" ticking signal which increases in frequency as the source of combustible gas or vapor is approached.

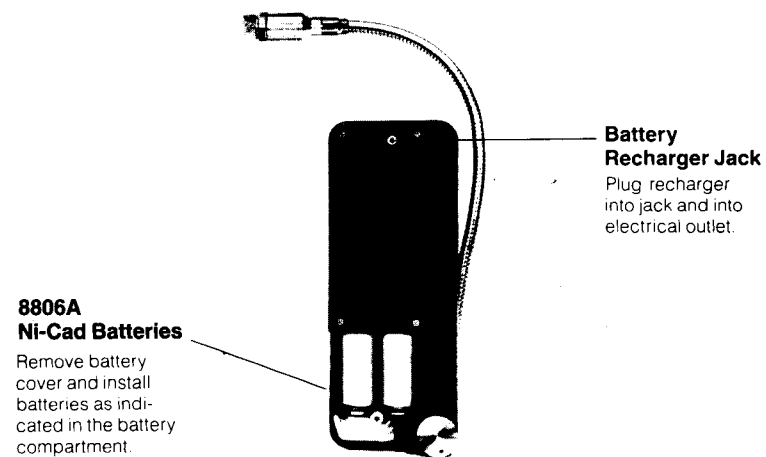
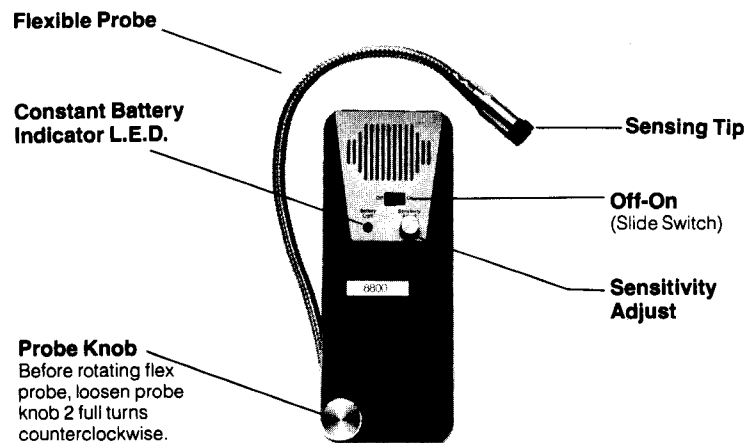
The ACT 8800 is excellent for pinpointing the location of combustible gas leaks as minute as 50-1000 PPM. It comes with carrying case, rechargeable batteries and recharger adapter.

**Features of the ACT 8800 Combustible Gas Detector**

- Audible "geiger counter" signal.
- Adjustable sensitivity.
- Cordless operation.
- Fast one minute warm-up.
- Low battery indicator.
- Long, flexible probe.
- Made in U.S.A.



**ACT 8800**  
**Combustible Gas Detector**



## Operating Instructions

1. Turn instrument on in a non-contaminated atmosphere by moving the slide switch to "ON" position. The red light should be lit. No sound will be heard.
2. After the automatic warmup period is completed (about one minute) a ticking sound will be heard.
3. Adjust sensitivity control knob until a rapid ticking signal is heard (Hi sensitivity).
4. The speed of the tick is an indication of the sensitivity. Rotate knob until ticking is Rapid for Hi sensitivity or Slow for Lo sensitivity.
5. Search for the general area of the leak. When a small amount of gas enters the tip, the signal speeds up.
6. In most cases, it will not be necessary to adjust the sensitivity of the unit. However, if the siren sounds before a possible leak source can be found, it is likely that the air is contaminated with heavy concentrations of gas. Therefore, you may desensitize the instrument by turning the control knob counter-clockwise to "Lo" sensitivity (slow ticking).
7. If you are searching for extremely small leaks, make certain the control knob is in the "Hi" sensitivity position (rapid ticking).

8. Occasionally, on newly installed piping, a joint compound may be used which contains a combustible solvent. This could result in an erroneous signal.
9. The flexible probe is hinged. When the knob in the lower corner of the instrument is loosened, the probe is free to move 180°. This is especially useful when searching in normally inaccessible areas.

**Note:** Before rotating Flex Probe, loosen Probe knob two full turns counterclockwise.

**Caution:** Unit should always be switched on and calibrated in non-contaminated atmosphere.

Always charge batteries and check operation in non-contaminated areas. Approach suspected contaminated area with unit on.

After the automatic warm-up period (approximately one to two minutes), turn sensitivity adjustment knob from left to right (full clockwise rotation). A change in the ticking rate should be heard ascending from a ticking sound to a siren. **If this does not occur, do not use the instrument!** Recharge the batteries and/or replace sensing element. Repeat the above described test procedure. If this does not correct the problem, the instrument should be returned to the factory for repair.

## Maintenance

**The ACT 8800** is equipped with a low battery indicator (red LED). When the instrument is turned on, the red LED should be lit. If the red light emitting diode is not on, than recharge the batteries, using the recharger accessory (Part #8803)

### Battery Performance

**Your ACT 8800** is equipped with two Ni-Cad rechargeable batteries. Before operating the instrument, the batteries must be initially charged for 16 to 24 hours.

**To Recharge Batteries:** Plug your recharger into the jack on the back of the instrument and plug it into an electrical outlet.

**Specifications** for the Gould #CS302 Ni-Cad battery: Charge at 40-50 MA for 16 hours.  
2.5V 1.0 amp./hr.  
Continuous Operation Time  
Approx: 3 hours.

## Replacement Parts

Sensing Tip...Part # 8801  
Battery Recharger (115V)  
Part # 8803  
Battery Recharger ( 220V)  
Part # 8806  
Carrying Case...Part # 8804  
2 (2.4V) Ni-Cad Batteries  
Part # 8806A

### Price Includes

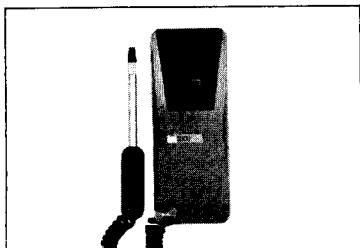
Sensing Tip  
2 (2.4V) Ni-Cad Batteries  
Carrying Case  
Battery Recharger

## Applications of the ACT 8800

**The ACT 8800** is a general purpose combustible gas detector which may be used on virtually any system containing combustible gases, and/or vapors. A partial list of **detectable gases** is as follows:

Gasoline Vapors, Methane (Utility gas), Ammonia, Acetone Vapor, Acetylene, Alcohol, Benzene Vapor, CO (Carbon Monoxide), Ethane, H<sub>2</sub> (Hydrogen), Hexane, Isobutane, N-Butane, Pentane, Propane.

## Other Snap-On Products

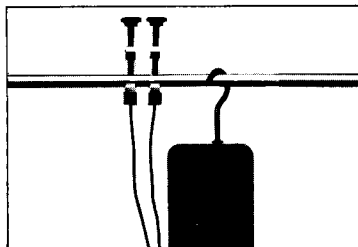


### The ACT 5500 pump-style Automatic Halogen Leak Detector

So simple to operate, all you do is turn it on. A computer-like beeping signal increases in both speed and frequency as the leak is approached. The magic wand detaches from the instrument while the instrument is strapped to your belt or hand-held. Super, super-sensitivity and the magic wand lets the 5500 detect leaks where other leak detectors simply can't.

#### Model No. ACT 5500

U.S. Patents #3,742,475, #4,282,521



### Electronic Sight Glass

Astounding is what this superb instrument has been called by top air conditioning experts. It's a remarkable all new method of determining how to fill a system precisely. It couldn't be easier to use. Automatically tells you when system is full or needs refrigerant.

#### Model No. ACT 4000

U.S. Patent # 4,138,879

## Specifications

Power supply:  
2 (2.4V) Ni-Cad  
rechargeable batteries  
Sensitivity: 50-1000 ppm  
Warm-up time: Automatic,  
Approximately 1 minute.  
Response time: Instantaneous.  
Weight:  
15.5 ounces (439 grams).  
Dimensions: 8" x 3" 1.8"  
(20.32 cm x 7.62 cm x 4.57 cm)  
Duty cycle:  
Continuous, no limitations.  
Operating temperature range:  
33° to 100°F. (0°C to 38°C)  
Probe length: 12.5" (31.75 cm)

## Limited Warranty and Repair/Exchange Policy

**This instrument** is designed and produced to provide unlimited service. Should the unit be inoperative after the user has performed the recommended maintenance a no-charge repair or replacement will be made to the original purchaser. This applies to all repairable instruments which have not been tampered with or damaged. The claim must be made within one year from the date of purchase. For repair of your instrument see your supplier.

***Snap-on Tools***  
CORPORATION  
KENOSHA, WI 53140

LI-147 SOT 3/86 Printed in U.S.A.