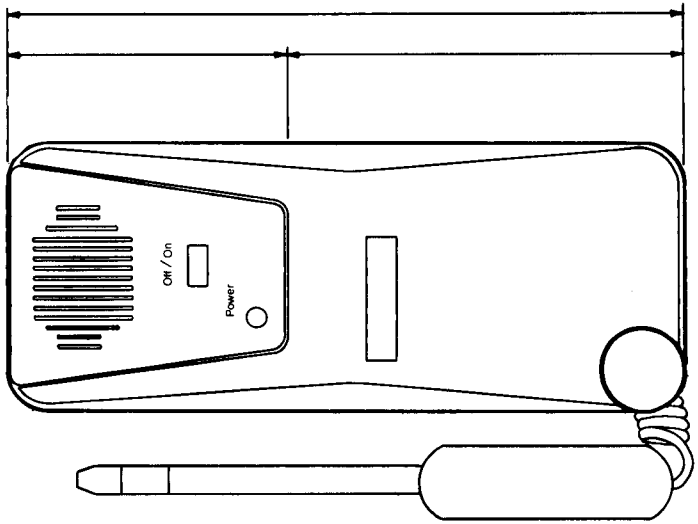




AC5500 Pump Style
Automatic Halogen Leak Detector
OWNER'S MANUAL



General Description

The AC5500 combines all of the features of the AC5000 with a battery-operated pump.

The automatic ambient control adjusts and corrects for the atmospheric ambient refrigerant in the vicinity of the tip. Entirely automatic, only a simple on-off switch is required. A computer-like beeping sound increases in both speed and frequency as you approach the leak.

Built for the service engineer demanding the last word in electronic leak detection methods.

Features of the 5500 Pump Style Automatic Halogen Leak Detector

- High efficiency Pump.
- Finds leaks in contaminated atmospheres.
- Super-sensitive: responds to minute traces of halogen gas (3 PPM); ½ oz. yr. leak-rate.
- Auto-set control: re-sets to any ambient level.
- Cordless: operates on two C cells.
- Sensor not poisoned by large doses of refrigerant.
- Instant on—no warm up.
- Constant power indication.
- No dangerous or poisonous gases are generated.
- Long stainless probe for hard-to-reach areas.
- Made in U.S.A.

**The AC5500 Pump Style
Automatic Halogen
Leak Detector**

**Sensing Tip
& Tip Protector**

**Power On
Signal**
Red L.E.D.

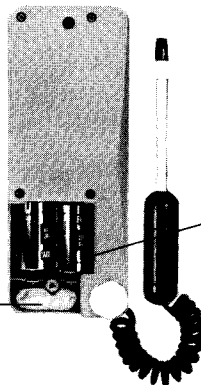
Off/On
(Slide Switch)

**Pump-style
Probe**



**Spare Sensing Tip
& Tip Boot**

**2 "C" Cell
Alkaline Batteries**
Remove battery
cover and install
batteries as indi-
cated in the battery
compartment.



Operating Instructions

1. Move slide switch to ON position.
2. Begin searching for leaks. The tone frequency and beep rate will increase when halogen gas is detected.

Leak Detection Techniques

1. In areas contaminated by refrigerant turn instrument off and on. The instrument will automatically set itself to the new level.
2. In windy areas, a large leak can be extremely difficult to find, because the escaping gas is rapidly carried away from the leak source. Under these conditions, it may be necessary to shield the potential leak area.
3. In a situation when large leaks mask the presence of very small leaks, locate and repair large leaks first. Finding the small leaks will then become an easy task.

Troubleshooting Hints

Erratic Beeping (Check the following)

- Replace tip.
- Look for a source of contamination.
- Follow instructions carefully.
- Red battery indicator light should be lit.

Steady Beeping—but will not pick up leak source.

- Replace tip.
- Check power on indicator.
- If unit still does not pick up leak source, return to factory for repairs.

Batteries

- When your leak detector is turned on, the power on indicator should be lit.
- If the red light is not on, install fresh size "C" alkaline batteries. If the light is on and the unit fails to operate properly,

turn the detector off and replace the sensing tip. Remember cold temperature will affect battery strength. If the unit is still erratic return to the factory for repairs.

Applications of the AC5500

The AC5500 Automatic Halogen Leak Detector may be used on air conditioning and refrigeration systems; Ethylene Oxide gas leaks in hospital sterilizing equipment (detects freon mixture). Detects SF-6 in High Voltage circuit breakers.

Detects most gases containing Chlorine, Fluorine and Bromine e.g. halogen gases. Also detects cleaning agents used in the dry cleaning industry.

Maintenance

Note: Do not use HLD440 or AC5000 sensing tips on your new AC5500

Always be sure your instrument is off when changing tips. Do not operate your leak detector until the sensing tip is screwed on finger tight. Use care not to catch perspiration, or grease such as hand cleaner in the slots, while attaching the tip.

Minimize tip contamination from dust and grease by utilizing the tip protector and filter.

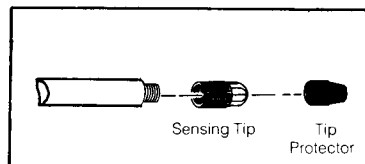


Fig. 1

A spare sensing tip for your AC5500 has been supplied and is located in the lower section of the battery compartment. Should you experience any problem in the performance of this instrument, please try changing the tip before sending the instrument back to us for repair.

Replacement Parts

To install batteries remove the battery cover on the back of the instrument. Be sure to install batteries as indicated in the battery compartment.

Batteries affect performance. When your leak detector is turned on, the red power indicator should be **lit**. If the red L.E.D. is not on, install fresh and/or tested Size "C" Alkaline batteries. Remember, cold temperatures will affect battery strength.

If the red L.E.D. is on, and the unit fails to operate properly, turn instrument off and replace the sensing tip. If the unit still does not function correctly, return it to the factory for repairs.

Price Includes

Carrying Case
Extra Sensing Tip,
2 "C" Cell Batteries
Tip Protector

Optional Accessories

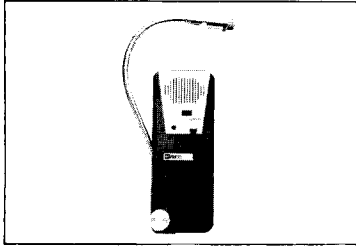
Maintenance Kit
(Includes):
2 Sensing Tips.
2 Sensing Tip Protectors
1 Leak Source

Part No.

Part #547

Part #544

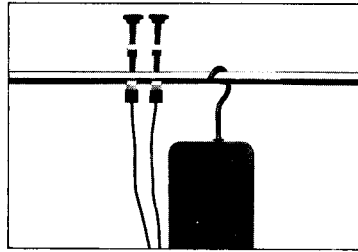
Other Mac Tools Products



Combustible Gas Detector

This instrument is supersensitive to combustible gases. It responds to minute traces (50 to 1000 PPM). So extremely small leaks can be pinpointed. The instrument features an audible "geiger counter" ticking signal which increases in frequency as the source of combustible gas or vapor is approached.

Model No. GD8800



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. See your supplier today and see how easy filling and checking a refrigerant charge has become.

Model No. AC4000

U.S. Patent # 4,138,879

Specifications

Power Supply:

Two size "C" Alkaline batteries.

Sensitivity: Automatically set on turn - on.

Operating Temperature Range: 30° to 100°F.

Battery Life:

Approximately 50 hours, normal usage (Alkaline batteries).

Duty Cycle: Continuous, no limitation.

Response Time: Instantaneous.

Warm-up Time: Instantaneous.

Weight:

35 ounces (980 grams) with batteries.

Dimensions: 8" x 3" x 1.8"
(20.32 cm x 7.62 cm x 4.57 cm)

Probe Cord Length: 36"

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.

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