

# Sniffing For Arson Accelerants ?

## Don't Have One of These ?



## Then You Need One Of These !

### Model 950-ASH Features:

- Better evidence collection
- Ruggedly constructed electronic hydrocarbon detection & field survey tool
- Detects the presence of trace levels of combustible hydrocarbon gas
- Telescoping probe for hard to reach places
- UV LEDs for visible fluorescence



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USA**



[www.ArsonDetection.com](http://www.ArsonDetection.com)

# 950-ASH Investigator's Aid

For Detection of Hydrocarbons, Accelerants, Petroleum  
volatiles and various Gases

## The Model 950-ASH Arson Scanner and Accelerant

**Detector** is a precision instrument designed specifically for detecting trace levels of hydrocarbons and accelerants. Model 950-ASH is optimized for detecting hydrocarbons or accelerants that may be present at suspect arson fires. Model 950-ASH functions as an excellent general purpose discovery instrument for field survey such as: searching landfills for methane outgassing, the detection of leaking underground storage tanks, or simply as a general purpose gas leak detector.

Additionally, Model 950-ASH employs an array of illuminating ultraviolet and white LEDs which further assist the investigator in locating accelerants or other evidence in situations where detection in low visibility environments becomes difficult. Other beneficial features include a Mute function to silence the audible tones for discreet investigation and a Purge feature for rapid Sensor recovery.

**POWER ON:** Power the Model 950-ASH ON by rotating the Detection Range Control clockwise until a click sound is heard. The blue Power Indicator LED will begin to flash. After approximately 3 minutes, it will stop flashing and will glow blue to indicate the instrument is ready for use.

**SETTING the SENSITIVITY:** Rotate the Detection Range Control clockwise until the needle on the LEDs begin to flash. Next, slowly rotate the Detection Range Control slightly counter clockwise until the needle on the Analog Meter Display falls to the 0, 1, or 2 region on the meter scale and the LEDs no longer flash. When set in the HIGH position, the detection range control allows detection of trace levels of hydrocarbons or accelerants. Using LOW Range reduces the detection sensitivity, so higher concentrations or sources of hydrocarbons/accelerants are more easily located.

To detect the presence of hydrocarbons/accelerants, scan the suspect material or area of concern at an angle of approximately 45° while holding the Sensor end of the Telescoping Sensor Probe approximately ½" to 1" from the area to be surveyed. Scan very slowly to provide sufficient time for the vapor to penetrate the Sensor.

**NOTE:** The time required for a hydrocarbon/accelerant to change from liquid to vapor and diffuse into the Sensor is dependent upon environmental factors such as temperature, humidity, and wind velocity and the type of hydrocarbon/accelerant.

**NOTE:** to silence the 950-ASH for discreet investigation, put the Mute control in the ON position.

## MODEL 950-ASH FEATURES



## SPECIFICATIONS

**Dimensions:** 3-1/4" wide by 3-1/4" deep by 19-1/2" long. When fully extended, the 950-ASH is 45" long.

**Weight:** 2 lbs 2oz (960 grams).

**Battery:** rechargeable Lithium-ion. Up to 7-8 hours of continuous operation.

**Battery Charging:** +5V USB adapter powered from 120VAC wall plug charger. Approximately 24 hours to fully charge from Low Battery Indication.

**Sensor:** Solid State Metal Oxide Semiconductor.

**White LED:** 8 solid state white LEDs arrayed around Sensor.

**Ultraviolet (UV) LED:** 8 long-wave ultraviolet (395nm) LEDs arrayed around the Sensor.

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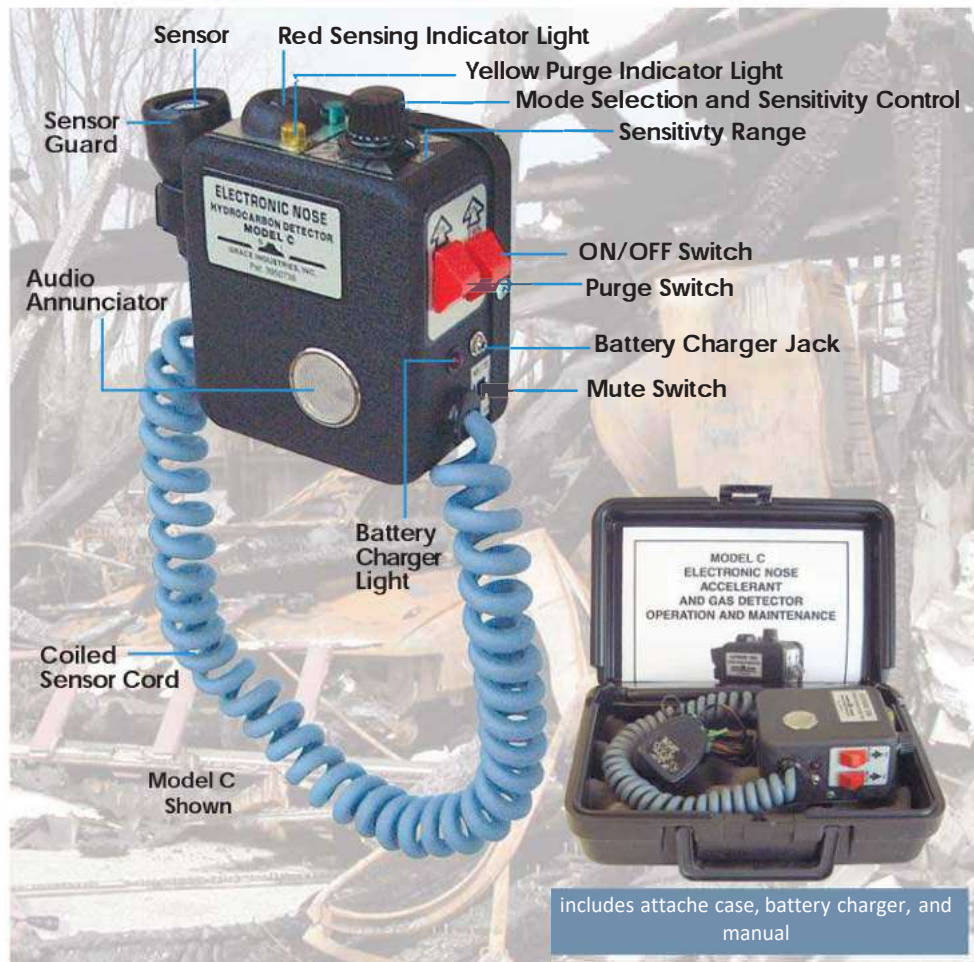
## Model C

For Arson Investigation and  
General Purpose  
Hydrocarbon Detection

The **Model C** is a highly sensitive hydrocarbon detector that easily detects fuel oil concentrations of less than 200 ppm or gas leaks of less than one cubic foot per year.



The **Model C** is a non-calibrated detector used primarily for arson investigation and where it is desirable to detect trace amounts of hydrocarbons.



**Operation:** Turn unit ON, allow several minutes for warm up, and then scan area of concern. When gas or a hydrocarbon is present, beep tones in synchronism with a red indicator light will occur. A slow beep rate indicates a small amount of gas or accelerant, whereas a more rapid rate indicates a higher gas concentration. A mute switch is provided to silence the audio tones and an electronic purge permits rapid recovery of the sensor.

### FEATURES:

**Detects** Approx. 125 toxic/combustible gases and/ or vapors - including all heating gases.

**Adjustable Sensitivity** - Higher sensitivity is used to locate trace amounts of hydrocarbons. Lower sensitivity aids in pinpointing the source in areas of high concentration.

**Sensor** - Solid state plug in type, housed in a protective guard, mounted at end of 6 foot coiled sensor cord.

**Displays** audio and visual indication of the detection of accelerants and gases. A Green "Ready" Indicator, Yellow "Purge" Indicator and Red "Sensor / Detection" Indicators.

**Electronic Purge** - Permits quick recovery of sensor element.

**Mute Switch** - Turns off audio tones and permits discreet investigation.

**Coiled Sensor Cord** - Easy to extend and automatically retracts.

**Power** Nickel Cadmium rechargeable batteries with 6 to 7 hours of use.

**Housing** - Corrosive Resistant, Steel

**Enclosure** - 3-1/4" x 3-7/16" x 2" wide, weight 1 lb. 7 oz.

**Applications** - Arson Investigation, Leak detection, General purpose gas detection.

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# Arson Investigation Testimonials

" I have been an arson investigator for four years and have investigated over 50 fires for origin and cause. I have used the Electronic nose on every fire that I have investigated in the last two years. I use to utilize this tool when there are factors leading me to believe that a combustible liquid may be present. But I now use it on every investigation just to add the information to my summary report. The department has had two units for over 20 years & they have been a great addition to my investigations and those of my predecessors. For anyone looking for a hydrocarbon detector, I would highly recommend this product. "

Matt Noblitt - Arson Investigator  
Columbus, IN

" We have used this on numerous incidents to determine if there was any residual hydrocarbon fuels remaining at Point of Origin following suspicious fires. It has allowed us to identify fires where an accelerant was present to confirm our suspicions. We have also used it to identify a suspect in an arson fire where we identified a hydrocarbon residue on the clothing and skin on their arms and hands. We have also used it to confirm a lack of hydrocarbon residue in a vehicle suspected to have been used in an arson fire as an escape vehicle. We find this to be an excellent tool to assist us in confirming or denying our hypothesis as to cause and origin in our fire investigations. "

Bob Fulton - Deputy Fire Chief  
City of Dawson Creek, CA



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