

# MODEL 20 Non-Calibrated Detector

For Arson Investigation, Gas Detection, Field Survey Use



**The Model 20 Investigator's Aid Hydrocarbon Detector** incorporates the most desirable features of any compact, metered detector available. This unit was specifically designed for hydrocarbon accelerants that may be present at the fire scene\*. The **Model 20** features compact, rugged construction in combination with excellent detection sensitivity. This unit is simple to operate: Simply scan area of interest with the sensor held approximately one inch from the suspect material while observing the meter. If an accelerant is present, a deflection on the meter will occur, followed by a series of beep tones in synchronism with a flashing indicator light. The more aerosol-born particles that exist, the more volatile the accelerant and the faster the beep rate. The **Model 20** is equipped with a HI-LO range switch that permits detection of extremely small

amounts of accelerants\*\* as well as highly saturated areas. The **Model 20** incorporates advanced signal processing circuitry that makes possible accurate, reliable measurements and will provide years of carefree service.

\* Unlike compromise units, the Model 20 was designed for the detection of accelerants.

\*\* Makes possible identification of evidence days after the fire.



Model 20 comes with Carrying Case, Battery Charger and Manual

## FEATURES :

**Small Size • Electronic Purge**-Permits quick recovery of sensor element. Useful when rapid, multiple samples are necessary. • **Meter Readout**-Provides visual indication of relative concentrations of accelerants. Useful for detecting very small amounts of accelerants that may still be present days after. • **Audio Annunciator** • **HI-LO Range Switch**-Changes sensitivity of unit – permits meter indication in areas of high concentration. Aids in pinpointing accelerant source. • **Dual Batter-**

**ies • Battery Transfer**-The Model 20 is equipped with two nickel cadmium, rechargeable batteries. Each battery will supply three hours of operation. If operator should forget to charge unit, a spare battery is available. • **Rechargeable Batteries • Self-Storing Steel Enclosure**-The Model 20 is housed in a steel enclosure that measures 5.75" long, 2.5" high and 3.75" wide, and weighs less than two pounds. The 6 foot retractile sniffing cord may be easily stored in the recessed cavity. • **Made in U.S.A.**

## SOME ACCELERANTS, HYDROCARBONS & GASES DETECTED

Gasoline	Turpentine	Ammonia	Freon 21	Dimethyl Amine
Benzene	Ether	Methane	Freon 22	Ethanol
Acetone	Hexane	Vinyl Chloride	Freon 113	Ethylene
Kerosene	Butane	Methyl Chloride	Freon 502	Hydrogen
Diesel Fuel	Carbon Monoxide	Methylene Chloride	Formaldehyde	Ethylene Oxide
Fuel Oil	Ethane	Trichlorethane	Vinyl Chloride	Chloropicrin
Propane	Pentane	Trichlorethylene	Methyl Mercaptan	Halon 1211
Jet Fuel	Hydrogen Sulfide	Sulfur Dioxide	Methyl Ethyl Ketone	Halon 1301
Alcohol	Freon 11	Freon 12	Methyl Acetate	Acrylonitrile
Paint Thinner	Ethylene Oxide			Naphtha