



# COMBUSTIBLE GAS DETECTOR

## TIF8800

The TIF 8800 is a highly reliable broad-band combustible gas detector extremely useful as a general purpose tool in any environment where gasoline, propane, natural gas or fuel oil is used. In conjunction with specific carbon monoxide measuring equipment, it is a valuable adjunct in diagnosing heating system problems.

This instrument has many applications such as checking for arson, cracked heat exchangers, faulty, leaking automobile exhaust systems. This instrument provides a unique audible alarm signal that increases to a siren as the gas leak is approached.



CLASSIFIED BY UNDERWRITERS LABORATORIES INC. \* ONLY AS TO INTRINSIC SAFETY IN CLASS I, GROUPS A, B, C, & D, HAZARDOUS LOCATIONS.



TIF INSTRUMENTS, INC.  
MODEL NO TIF 8800  
PERMISSIBLE GAS DETECTOR

APPROVAL NO. 2G-3668-0

TESTED FOR INTRINSIC SAFETY  
IN METHANE - AIR MIXTURES ONLY

WARNING: MSHA APPROVED FOR USE WITH SAFT PART NO. 405421  
BATTERIES ONLY RECHARGE IN FRESH AIR ONLY  
NOT APPROVED FOR COMPLIANCE DETERMINATIONS REQUIRED  
BY 30 CFR, PART 75, SUBPART D

## SPECIFICATIONS

### FEATURES

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

### SPECIFICATIONS

Power supply:  
2(2.4V) Ni-Cad Batteries

Battery life: 4 hours

Sensitivity: 50-1500 ppm

Warm-up time: Automatic,  
Approximately 15 seconds.

Response time: Instantaneous.

Weight:  
15.5 ounces. (439 grams)

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

Duty cycle:  
Continuous

Operating temperature range:  
33° to 100°F. (0°C to 38°C)

Probe length: 15 inches/38.1 cm

### REPLACEMENT PARTS

Sensing Tip...Part #TIF8801  
Battery Recharger (115V only)  
Part #TIF8803A  
Carrying Case...Part #TIF8804  
Plug-in (Cigarette Lighter  
Recharger)...Part #8805  
2 (2.4V) Ni-Cad Batteries  
...Part #TIF8806A

### 8800 DETECTS

#### HYDROCARBONS

- Methane (Natural Gas)
- Ethane
- Propane
- Benzene
- Acetylene
- Butane
- N-Butane
- Isobutane
- Pentane
- Hexane
- Gasoline

#### HALOGENATED HYDROCARBONS

- Methyl Chloride
- Methylene Chloride
- Trichloroethane
- Vinyl Chloride

#### ALCOHOLS

- Methanol
- Ethanol
- Propanol
- Butanol

#### ETHERS

- Methyl Ether

#### KETONES

- Methyl Acetate
- Methyl Ethel Ketone
- Acetone

#### OTHER GASES

- Sulfur Dioxide
- Ammonia
- Carbon Monoxide
- Hydrogen Sulfide
- Hydrogen
- Toluene
- Naptha
- Chlorine

#### CHEMICALS

- Industrial Solvents
- Dry Cleaning Fluids
- Lacquer Thinners
- Refrigerant Gases

