



TT-FFS TraceTek Fast Fuel

General Information

The TraceTek Fast Fuel Sensor is designed to quickly detect hydrocarbon fuels floating on water or collecting in a sump. The probe ignores the presence of water, but reacts to a thin film of fuel floating on the surface. In most cases, the TT-FFS will reset when removed from contact of the spill and the fuel is allowed to evaporate.

Reaction time for the probe is typically less than a few seconds for light or middle weight fuels such as gasoline, jet fuel, and diesel. It is also responsive to crude oil and some heavier weight fuels and heating oil, but becomes progressively slower as the fuel viscosity increases and the volatility decreases.

Design Features

- Fast response to minimal amounts of spilled fuel
- Can be reset for multiple use
- Compatible with entire range of TraceTek Instruments
- Up to six TT-FFS probes can be used with modular branch connectors on a single TraceTek Locating Alarm Module
- Can be used with TT5000 Sensor Cable to form hybrid cable and probe leak detection systems
- Suitable for installation in hazardous area locations up to C1D1 (Zone 0) with appropriate safety barrier
- Available with or without TraceTek metal connector
- Rugged RPVC housing for vertical mounting in sump or pipe stand

Reset Procedure

Some heavier fuels may require that the sensor be cleansed if removal from the spill does not evaporate the fuel residuals for reset.

- Immerse sensor to the top of the slots in painter's naphtha or lighter fluid
- Soak for five minutes (For heavier fuels and oils, soak for a longer period)
- Remove and allow to air dry for fifteen to sixty minutes
IMPORTANT: DO NOT DRY BY STRIKING, HEATING, OR USING FORCED AIR
- If sensor does not reset, repeat process
- If the sensor has been damaged, it will fail in the alarm condition

General Notes - Do's and Don'ts

Do

- Connect sensor only to TraceTek modules
- Observe color code when connecting sensor wires (Red to Red, Black to Black, etc)
- Mount sensor in the vertical position in a sump or trench where it will contact leaks
- Seal the wire connections properly with the included kit components
- Make sure sensor slots are clear

Don't

- Connect directly to any voltage source
- Connect sensor to non-TraceTek equipment
- Drop sensor or cause it to be mechanically shocked
- Remove the protective screen or poke objects into the slots
- Expose sensor to contaminants such as pipe dope, PVC cement, solvents, or dirt

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