

# TTK 3 OIL SENSE CABLES TECHNICAL COMPARISON



Cables	<b>HIGH SENSITIVITY OIL SENSE CABLE</b> <b>FG-ODC</b>	<b>INTERMEDIATE SENSITIVITY OIL SENSE CABLE</b> <b>FG-OD</b>	<b>LOW SENSITIVITY OIL SENSE CABLE</b> <b>FG-ODR</b>
<b>Liquids detected</b>	- Detects a wide range of liquid hydrocarbon fuels and oils		
	- Light to Medium distillates (such as gasoline, diesel oil, jet fuel)		
	- Liquid insoluble in water (such as petrochemicals)		
	- Heavy oils as conventional crude oils, dilbit / synbit / base oils - Hydrocarbon vapors	- Liquid Hydrocarbons from light distillates to crude oils	- Volatile liquids (light distillates) - Medium distillates
<b>Applications</b>	Pipeline, storage tank	Pipeline, storage tank	Airport (valve chambers)
	Transformer	Generator	Confined environments
	Lubricant system	Airport	Weakly polluted environments
Suitable for humid environment (all cables are insensitive to water)			
<b>Typical detection time(*)</b>	Gasoline: 1-2 minutes	Gasoline: 3-6 minutes	Gasoline: 20-30 minutes
	Jet fuel: 4-10 minutes	Jet Fuel: 10-20 minutes	Jet Fuel: 2-4 hours
	Diesel Oil: 7-12 minutes	Diesel Oil: 25-35 minutes	Diesel Oil: 3-6 hours
	WTI: 20-35 minutes		
(*) : depending on liquid composition and leak conditions	Dilbit: 30-45 minutes		
<b>Common features</b>	ATEX approved - suitable for explosive area service		
	Re-usable and pre-connected		
	Leak location on section length		
	Can be buried directly		
	Do not react to water, inorganic pollutants and external loads		
	Available at pre-connected standard lengths: 3, 7, 12, 20m with male-female connectors; available in long line		
	Same cable structure with built-in microcontroller, a protective external PE braid and 4 internal wires		