

# 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>
Liquids detected	- 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
Applications	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)		
Typical detection time(*)	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		
Common features	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 (FG-ODC available in 3, 7 and 12m)with male-female connectors; available in long line		
	Same cable structure with built-in microcontroller, a protective external PE braid and 4 internal wires		