

TTK 3 OIL SENSE CABLES TECHNICAL COMPARISON



| Cables | HIGH SENSITIVITY OIL SENSE CABLE FG-ODC | INTERMEDIATE SENSITIVITY OIL SENSE CABLE FG-OD | LOW SENSITIVITY OIL SENSE CABLE FG-ODR |
|---------------------------|--|---|--|
| 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 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 | | |

(*): depending on liquid composition and leak conditions