



Laser Diagnostic Instruments



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ROWATEX EXD OIL DETECTOR FOR HAZARDOUS AREAS

The ROW ATEX EXD oil detector is designed to be installed within hazardous areas where ignitable concentrations of flammable gases, vapors or mists often exist. These industrial areas are classified as Zone 1 based on established international standards ATEX/IECEX.

› EXPLOSIVE-PROOF (Ex d) ENCLOSURE

The ROW ATEX EXD oil detector is encased in a flame-proof (explosion-proof) enclosure made from 316 stainless steel, making it ideal for the toughest environments. The whole system is certified ATEX/IECEX by DNV for Zone 1 installations.

SUITABLE FOR ATMOSPHERES CONTAINING:

acetaldehyde, ethane, ethyl chloride, ammonia, benzines, gasoline, n-butyl alcohol, diesel, jet engine fuels, acetic acid anhydride, n-hexane, methane, methanol, naphthalene, phenol, propane, toluene, others...

› TOP CERTIFIED Ex d DEVICE



LDI, including our entire manufacturing process and instrument model itself, are fully certified by DNV for ATEX & IECEX equipment manufacturing.

› SPECIFICATIONS: BEST IN CLASS



Non-contact instrument with robust IP68 protection, low-power (< 2 W) UV fluorescence technology, up to 8 m range - these are the best specs on the market.

› INDUSTRY LEADING SENSITIVITY - 1µm



Advanced software algorithms are calibrated to detect oil films down to a single micron layer and minimize false alarms.

› COMPATIBLE WITH EXISTING DEVICES



The ROW ATEX EXD can be installed within a network of LDI ROWs but also connect seamlessly with 3rd party telemetry options using RS485 (modbus), 4-20 mA PLC/SCADA, or simple I/O alarm relay.



Italy,
Oil Terminal



Norway,
Fuel Depot



Belgium,
Oil Refinery



* Different oils from each country have different properties. Check with LDI or send samples for testing.