



Laser Diagnostic Instruments



SUITABLE FOR ATMOSPHERES CONTAINING:

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



ROWATEX EXD OIL DETECTOR FOR HAZARDOUS AREAS

ROW ATEX EXD oil spill detector is designed to detect oil contamination in hazardous areas where ignitable concentrations of flammable gases, vapors or mists often exist.

› **FLAMEPROOF (Ex d) ENCLOSURE**

ROW ATEX EXD Oil Detector is encased in a flameproof (explosion-proof) DNV certified enclosure made of 316 stainless steel, which is acid and corrosion resistant making it ideal for the toughest environments.

› **TOP IP RATED Ex d DEVICE**

IP68 certified non-contact Ex d oil detector, using UV fluorescence method — highest rated on the market.

› **RANGE BEST IN CLASS**

Outstanding detection range of 8m — twice the distance in comparison to similar products on the market.

› **INDUSTRY LEADING SENSITIVITY — 1 µm**

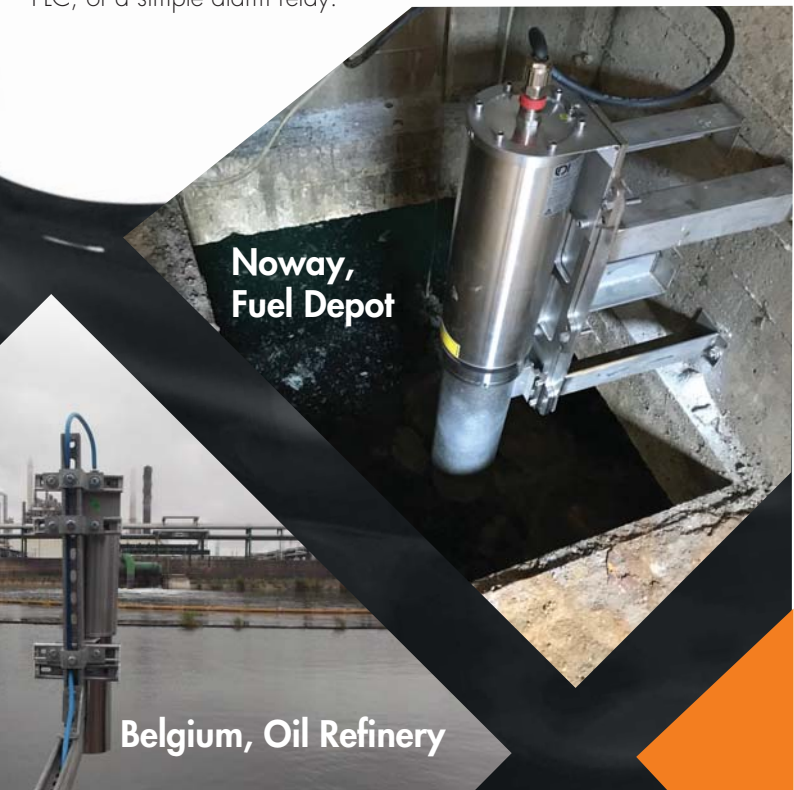
Advanced software algorithms are calibrated to detect oil down to a single-micron layer and minimize false alarms.

› **COMPATIBLE WITH EXISTING DEVICES**

ROW ATEX EXD Oil Detector can be installed within a network of LDI ROWs, but also connect seamlessly with 3rd party telemetry options using RS485, 4-20mA PLC, or a simple alarm relay.



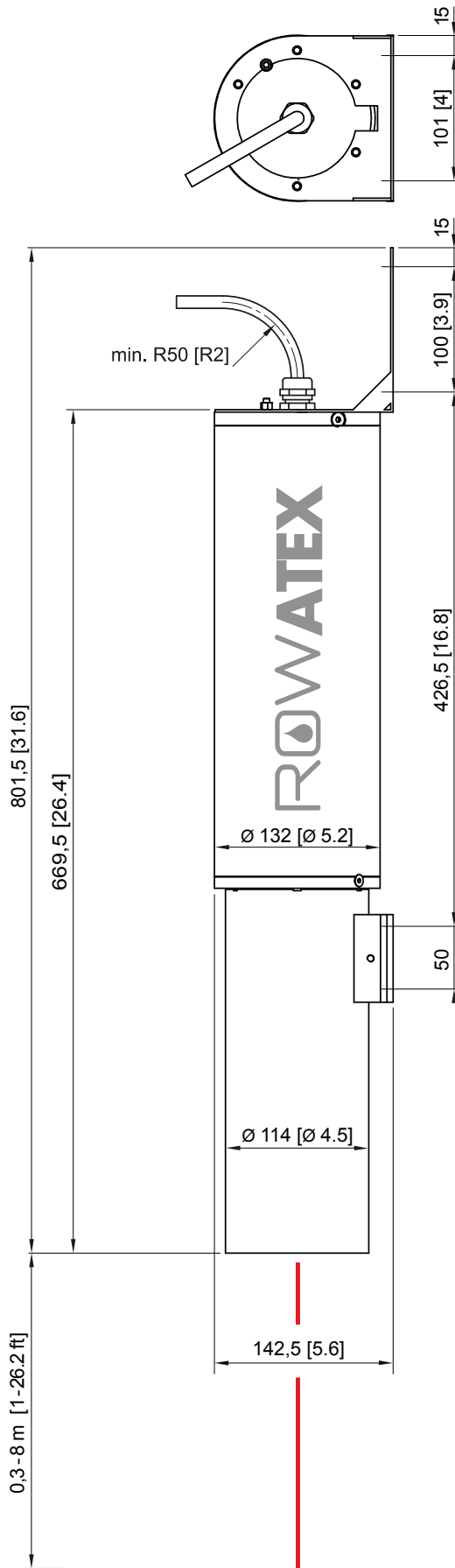
Italy,
Oil Terminal



Noway,
Fuel Depot

Belgium, Oil Refinery

Optical non-contact and autonomous sensor for real-time detection of oil contamination in hazardous areas.



Dimensions unless otherwise stated: mm [inches]

TECHNICAL SPECIFICATIONS

MODEL	O-2301E (ATEX EXD)	
SENSITIVITY	> 1 μm (micrometer) oil film	
RANGE	up to 8 m above surface (water or ground)	
OPERATION TEMPERATURE	-30°C to +60°C [-22°F to 140°F]	
ENCLOSURE	ATEX & IECEx Explosive-proof Enclosure - Zone 1 II 2 G Ex d IIB Class 1, Division 1, Groups CD IP68, stainless steel 316	
DIMENSIONS	669,5 x 142,5 x 132 mm [26.4 x 5.6 x 5.2 in]	
WEIGHT	12 kg [26.5 lbs]	
POWER OPTIONS	12 VDC (10V - 30V) as standard other options: 110/220 VAC 60/50 Hz AC/DC adapter, solar/battery options available	
POWER USAGE	< 2 Watt (DC)	
LIGHT SOURCE	pulsed UV LED	
LED LIFETIME	5 years typical, thereafter, LED replacement	
OUTPUT	relay contacts, RS-485, 4-20 mA (as standard)	
COMMUNICATION OPTIONS	RS-232 ethernet/LAN audio alarm wireless radio link Wi-Fi GSM custom solution	optional adapters available – contact Sales Engineer for additional information
USER INTERFACE	ROW Configurator for setup & adjustment ROW Manager for network visualization	
SYSTEM CERTIFICATIONS	CE : EN 61000-6-2, 61000-6-3, 61326-1, 61000-4-2, 61000-4-5, 61000-4-6, 61000-4-8, 61010-1 US EPA : (EPA/530/UST-90/009) IP68 : EN 60529 ATEX & IECEx Zone 1 II 2 G Ex d IIB T6 Gb; Class 1, Division 1 EN/IEC: 60079-0, 60079-1	
WARRANTY	2 year factory warranty as standard, supported worldwide	