



Laser Diagnostic Instruments

SUITABLE FOR ENVIRONMENTS INCLUDING:

- Offshore Buoy Installations
- Corrosive acidic or basic facilities
- Salination and Marine areas
- Sulphur atmospheres
- Abrasive conditions

ROWSS OIL DETECTOR FOR HARSH AREA

The ROW SS comes in a stainless steel (316L) enclosure, perfect for installations in marine environments or corrosive atmospheres. This instrument successfully balances cost-effectiveness and rugged design together.



› **316L STAINLESS STEEL ENCLOSURE**

ROW SS is much more cost-effective compared to our ROW Ex d device, yet provides the same flexibility and capability as our Aluminum ROW.

› **TOP IP RATED DEVICE**

IP68 certified non-contact oil detector, using UV fluorescence method — highest IP rating on the market.

› **RANGE BEST IN CLASS**

Outstanding detection range of up to 10m. Also available in a long-range version up to 30m.

› **INDUSTRY LEADING SENSITIVITY — 1µm**

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

› **COMPATIBLE WITH EXISTING DEVICES**

The ROW can connect seamlessly to your preferred telemetry monitoring devices whether using RS-485 Modbus, 4-20mA PLC (SCADA), or a simple alarm relay.



**UAE
Power &
Desalination
Plant**

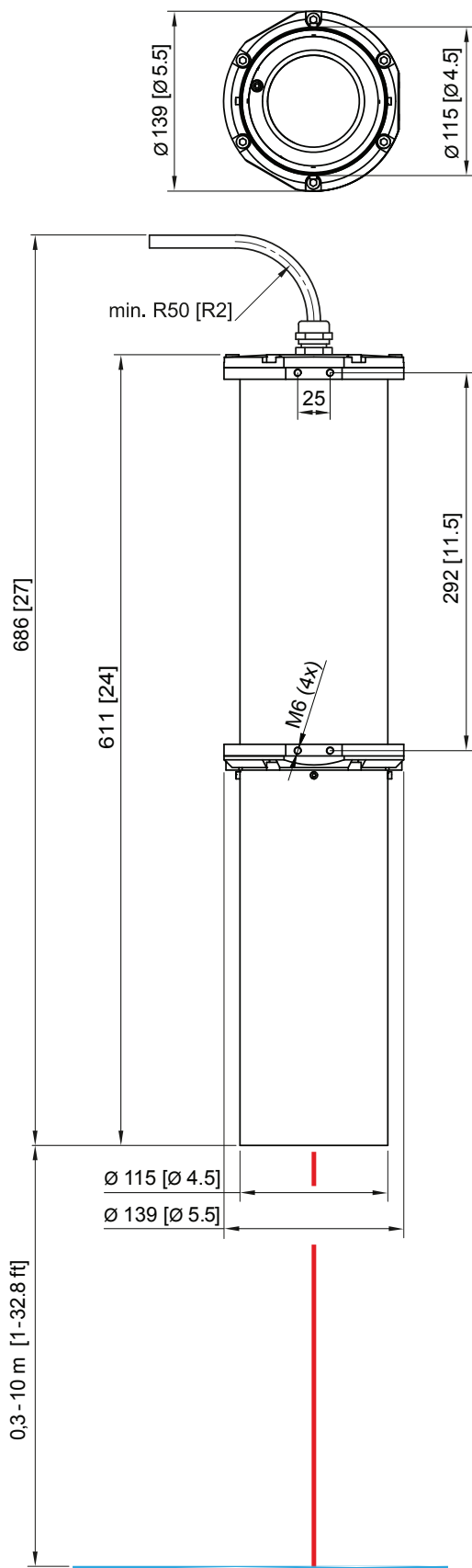
Estonia, Port



**Netherlands
Oil Terminal**

Optical non-contact and autonomous sensor for real-time detection of oil contamination – UV fluorescence method.

TECHNICAL SPECIFICATIONS



Dimensions unless otherwise stated: mm [inches]

MODEL	O-2311S	
SENSITIVITY	> 1 μm (micrometer) oil film	
RANGE	up to 10 m above surface (water or ground), Optional 30 m long range option	
OPERATION TEMPERATURE	-30°C to +60°C [-22°F to 140°F]	
ENCLOSURE	IP68, pressurised (Ar) hermetically sealed, weather proof, stainless steel 316L	
DIMENSIONS	686 x 139 x 139 mm [27 x 5.5 x 5.5 in]	
WEIGHT	6,9 kg [15.2 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	
CERTIFICATIONS	CE: EN 61000-6-2, 61000-6-3 EN 61326-1, 61000-4-2, 61000-4-5, 61000-4-6, 61000-4-8, EN 61010-1 IP68: EN 60529 US EPA: (EPA/530/UST-90/009)	
WARRANTY	2 year factory warranty as standard, supported worldwide	