The ROW Stainless Steel comes in a 316L enclosure, perfect for installations in marine environments or corrosive atmospheres. This instrument successfully balances cost-effectiveness and rugged design in one great product.

› 316L STAINLESS STEEL ENCLOSURE

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

› TOP RATED IP DEVICE

IP68 certified, non-contact oil detector, using UV fluorescence technology - perfect for off-grid, off-shore installations.

› BEST RANGE IN CLASS

Outstanding detection range up to 10 m. Also available in a long-range version up to 25 m.

› INDUSTRY LEADING SENSITIVITY - 1 µm

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

› COMPATIBLE WITH EXISTING TELEMETRY

The ROW can connect seamlessly to your preferred telemetric logging devices whether using RS-485 Modbus, 4-20 mA via PLC (SCADA), or a simple I/O alarm relay.

SUITABLE FOR ENVIRONMENTS INCLUDING:
- Offshore buoy installations
- Corrosive acidic or basic facilities
- Salination and marine areas
- Sulphur atmospheres
- Abrasive conditions
TECHNICAL SPECIFICATIONS

MODELS
- O-2311S (Stainless Steel)
- O-4501S (Light Fraction)

SENSITIVITY
> 1 µm (micron) oil film

OIL DETECTION
- O-2311S (Stainless Steel) – Medium (diesel, lubricants etc..) & heavy (crude, bunker fuels etc..) oils
- O-4501S (Light Fraction) – Light (kerosene, jet fuel etc..), including medium, & heavy oils

RANGE
- up to 10 m [33 ft] from surface; Light Fraction only 5 m [16 ft]

OPERATION TEMPERATURE
-30ºC to +60ºC [-22ºF to 140ºF]

ENCLOSURE
IP68, hermetically sealed, weather proof
Electropolished stainless steel 316L, purged (Ar)

DIMENSIONS
- 611 x 139 x 139 mm [24 x 5.5 x 5.5 in] device dimensions
- Comes with external metal bracket for mounting

WEIGHT
9.0 kg [19.8 lbs]

POWER OPTIONS
- O-2311S (Stainless Steel): 12 – 24 VDC (10V - 30V)
- O-4501S (Light Fraction): 12 VDC only
- Optional: 110/220 VAC [60/50 Hz] AC/DC adapter, 24 to 12 VDC adapter, or solar/battery options

POWER USAGE
< 2 Watt (DC)

LIGHT SOURCE
Pulsed UV LED

LED LIFETIME
5 years typical, thereafter, LED replacement

OUTPUTS
- Relay contacts, RS-485, 4-20 mA (as standard)
- Custom Solutions: Optional adapters available, contact Sales Engineer for additional information

TELEMETRY OPTIONS
- RS-232
- Ethernet/LAN
- Audio alarm
- Wireless Radio Link
- Wi-Fi
- GSM

USER INTERFACE
- ROW Configurator software for setup & adjustment
- ROW Manager software for network visualization

CERTIFICATIONS
- CE
- EN 61000-6-2, 61000-6-3, 61326-1, 61000-42, 61000-4-5, 61000-4-6, 61000-4-8, 61010-1
- US EPA: EPA/530/UST-90/009
- IP68: EN 60529

WARRANTY
2-years factory warranty as standard, supported worldwide