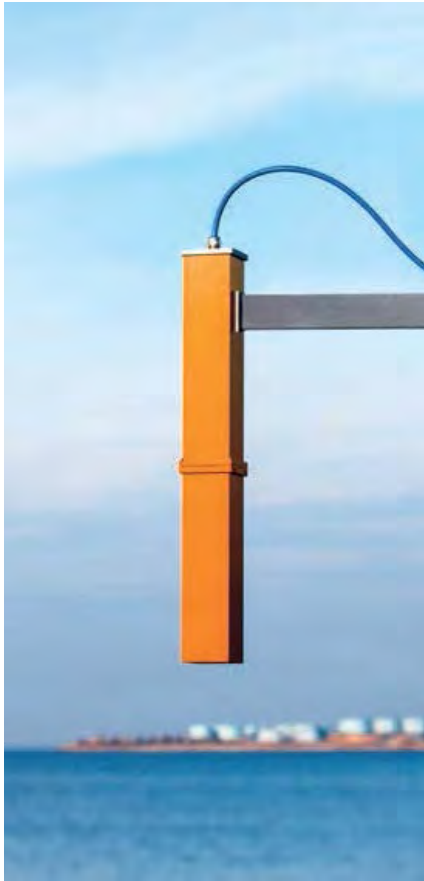




Series GEO-OSD2000

Oil Spill Detector



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

TECHNICAL SPECIFICATIONS

MODEL	RANGE above surface (water or ground)	ENCLOSURE	ATEX
GEO-OSD2010-AL	0.3 to 10m	IP68, pressurised (1.3 atm, N ₂) hermetically sealed, weather proof, powder painted anodised aluminium	No
GEO-OSD2010-SS	0.3 to 10m	IP68, pressurised (1.3 atm, N ₂) hermetically sealed, weather proof, powder painted stainless steel 316L	
GEO-OSD2030-SS	0.3 to 30m		
GEO-OSD2008-EX	0.3 to 8m	ATEX & IECEx flameproof enclosure - Zone 1 II 2 G Ex d IIB Class 1, Division 1 Groups CD IP68, stainless steel 316L	Ex d Zone 1
GEO-OSD2030-EX	0.3 to 30m		

SENSITIVITY	> 1 micrometers oil film
OPERATION TEMPERATURE	-25°C to +60°C
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
OUTPUT	relay contacts, RS-485, 4-20 mA (as standard)
DATALOGGING	Direct connection to METEODATA / HYDRODATA datalogger
SYSTEM 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 US EPA: (EPA/530/UST-90/009)
ENCLOSURE CERTIFICATIONS	IP68: EN 60529 Only models GEO-OSD2008-EX and GEO-OSD-2030-EX: Ex DNV-2003-OSL-ATEX-0436U: EN/IEC: 60079-0, 60079-1
WARRANTY	2 year factory warranty as standard, supported worldwide

METEODATA/HYDRODATA
Datalogger with integrated comms
(3G/GPRS, Line, Radio or Satellite)



MODEL	DIMENSIONS (mm)	WEIGHT (kg)
GEO-OSD2010-AL	659 x 83 x 80	1.7
GEO-OSD2010-SS	686 x 139 x 139	6.9
GEO-OSD2030-SS		
GEO-OSD2008-EX	669.5 x 142.5 x 132	12
GEO-OSD2030-EX		

