



SLICK SLEUTH SS100 OIL SPILL DETECTION & ALARM

SLICK SLEUTH

REDUCE YOUR RISK!
DETECT LEAKS • PREVENT SPILLS



- REAL-TIME OIL DETECTION & ALERT
- Payback with Single Event Detection
- Compact, NON-CONTACT Sensor
- All-Weather Ex d Housing



Retention Pads



Separators & Discharge



Sumps & Catchments



Secondary Containment

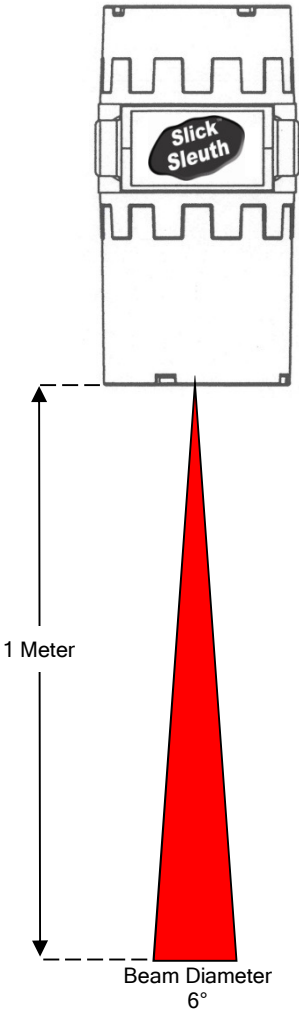
Slick Sleuth model SS100 Oil and Fuel Detection Sensors are designed for installation in oil storage facilities, such as tank farms and terminals. An array of oil detection sensors can be used to continuously monitor for accidental leaks and spills. Given ever-increasing regulatory pressures and heightened public awareness, the SS100 provides those responsible for above-ground storage tanks with a tool to automatically detect and contain spill, thus avoiding costly oil spill cleanup, mitigation, regulatory fines, and public relations nightmares.

These sensor systems detect the presence of a broad range of oil types and input directly to a facility's monitoring center (DCS, SCADA, Wonderware, etc) for real-time event alert and response. The robust sensor package is designed for all-weather installation and for use in hazardous gas environments. Installation and setup is simple, the non-contact optical system requires minimal maintenance (equivalent to a camera), and payback occurs with a single-detection - making the system highly cost-effective - and allowing operators and managers to sleep better at night. Please contact us for a *REAL-TIME SOLUTION TODAY!*

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Slick Sleuth SS100 Specifications



Operation:	Automated, Optical, Non-Contact Sensor Continuous Monitoring for Presence of Oil Patented Technology (UV Filter-Fluorometer) Detection of Crude Oil, Heavy Fuel Oil, Diesel, Lube, & Other Oil Types (<i>contact factory for specific oil types</i>)
Sensitivity:	1 +/- Micron Sheen
Detection Range:	1 Meter (Over Ground or Water)
Temperature:	-10 to +60 °C Operating -40 to +75 °C Non-Operating
Enclosure:	Explosion Proof Instrument Housing (See Ratings Below) (Class 1 Division 1, Zone 1) Cast Aluminum / Polyester Powder Coating NEMA 4X / IP66 Watertight
Certifications:	CE Marked Conforms to US EPA Standards (EPA/530 / UST-90/009)
Zone Ratings:	See Ratings Below
Ports:	Power In and Signal Out
Mounting:	Mounting Boss for Surface or Pole Mounting
Dimensions:	6" x 6" x 11" (D x W x H), 16cm x 16cm x 28cm (approx.)
Weight (Approx.)	10 lbs. / 4.5 kg
Input Power:	85-264 VAC, 50/60 Hz (Optional +20 to +28 VDC – Contact Factory)
UV Light Source:	Xenon Flash - Collimated Beam
Xenon Flash Life:	2.5 Years Typical at Highest Sampling Rate (e.g. 2 Hz)
Signal Output:	(1) Oil Detection Relay (SPST) - Normally Open (2) Current Loop 4-20 mA Analog Output (Source) Linear Scaled Signal Output & Signal Fault Indication (3) Serial RS485 – Contact Factory
Web Portal:	Password Accessed Web User Interface (WUI) - <i>Optional</i>
Initialization:	Magnetic Switching to Automatically Set Operation Point (no need to open housing during start up)
Local Interface:	USB Interface for Set-up Parameters & Maintenance (requires housing to be opened in the field)
Local Indicator:	LED Indication of Status/Power
Patented By:	InterOcean Systems, Inc.
Warranty:	1-Year InterOcean Systems Factory Warranty



Division Ratings:		
Classified		
Class I, Division 1 Groups BCD	UL1203; CSA C22.2 No. 25 & No. 30	
Class II, Division 1 Groups EFG		
Class III		
Type 4X		
Zone Ratings:		
ATEX (Flameproof - Demko)		
II 2G Ex d IIB + H ₂	EN60079-0, EN60079-1	
II 2D Ex tD A20	EN61241-0, EN61241-1	
IP66	EN60529	
IECEx (Flameproof - UL)		
Ex d IIB + H ₂	IEC 60079-0 & IEC60079-1	
IP66	IEC60529	