

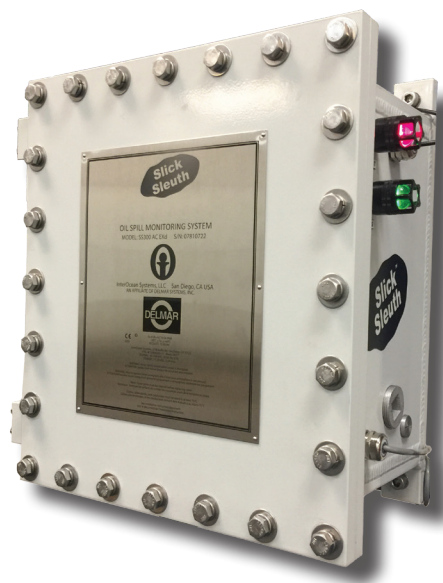
**Slick
Sleuth**

Slick Sleuth® Models SS300-EXd & SS320-EXd

Oil Spill Detection and Alarm Systems

For Installation in Hazardous Gas Areas

- Real-Time Oil Spill Detection
- Non-Contact Sensor System
- High Sensitivity & Low Maintenance
- Industrial Plants, Terminals, & Offshore
- Market Proven—Best Available Technology



Slick Sleuth systems are used in a wide variety of industrial and environmental applications for real-time detection of oil leaks and spills at refineries, terminals, power plants, airports, and other industrial facilities where early warning spill detection and control is needed. Should a leak or spill occur, Slick Sleuth provides instant detection and notification, enabling users to contain the spill and avoid environmental damage, costly cleanup, fines, and regulatory penalties.

The Slick Sleuth **SS300-EXd** is designed for installation in rugged settings such as over sumps and separators, weirs, storm water and process-water sewers, outfalls, discharges, and retention ponds. The **SS320-EXd** is designed for longer-range installation on deep-sumps, terminal piers, and offshore structures.

The patented, non-contact, scanning optics and detection system provide highly-sensitive detection capability. User-adjustable alarm thresholds can be set to detect small (micron-level) sheens and oil slick events. Slick Sleuth's output signals can be used to activate local and remote alarms, as inputs to central monitoring and control systems (SCADA, PLC, etc.), actuate valves, shut off pumps, and initiate other corrective measures.

Slick Sleuth automated oil spill detector can be used over dry or wet surfaces, but typically it is mounted over still or moving water. Non-contact sampling eliminates problems with aquatic growth or fouling due to debris, ice, or oily residue—reducing the need for maintenance and facilitating ease of installation and access.

Sensors may be operated as stand-alone systems or as networked arrays with seamless integration to end user's data acquisition system (e.g., SCADA or PLC). They may also be installed as multi-unit networked systems using modems and remote access via web user interface and mobile devices.

Slick Sleuth oil spill detection systems deliver significant cost savings and environmental benefits to operators, based upon reliable, all-weather, easy-to-use, and low maintenance technology.

Please contact us to discuss using this technology as an important part of your spill prevention and response plan.



InterOcean Systems, LLC – Environmental Systems Division

3738 Ruffin Road | San Diego, CA 92123 USA

Phone: +1 858.565.8400 | Fax +1 858.268.9695 | sales@slicksleuth.com | www.SlickSleuth.com

SS300-EXd & SS320-EXd Specifications



Optical Window



Operation:	Automated, optical, non-contact sensor Patented UV filter-fluorometer technology Broad-range sensor detects crude, lube, hydraulic, fuel, jet, turbine, hydraulic, transformer, & many other types of oils <i>Contact factory to inquire about specific oils</i>
Sensitivity:	1± micron sheen User adjustable sensitivity Discrete alarm and scaled signal output
Range:	SS300-EXd up to 4 meters; SS320-EXd 8 meters (over ground or water)
Operating Temp:	-10° to 60°C (standard); -35° to 60°C (low temp option)
Enclosure:	Aluminum EXd flameproof housing (see ratings below) External Ports - Power In, Signal Out, USB Serial Interface
Dimensions:	Approx. 20" H x 18" W x 12" D (51cm x 46cm x 31cm)
Weight:	Approx. 120 lb (55 kg)
Input Power:	85–264 VAC, 50/60 Hz (DC Input - Contact Factory)
UV Light Source:	Pulsed xeon flash Collimated conical beam - 14° (SS300-EXd) and 7° (SS320-EXd)
UV Flash Life:	2.5 Years typical at highest sampling rate (e.g., 2 Hz)
User Interface:	Sensor operates autonomously Utility program used during set-up and to adjust settings
Outputs:	Relays – oil detection (DPDT) & equipment status (SPDT) Serial – USB, RS232, RS485 Analog - current loop / 0-20 mA (optional)
Indicators:	Local status & alarm (Class 1 Division 1, Zone 1) – optional <i>Unit is Classified as IP66 when indicators are installed</i>
Wireless Options:	Radio, Cellular, WiFi, Satellite – Contact Factory
Web Portal:	Password accessed web user interface (WUI) – optional
Base Station:	PC running Slick Sleuth base station software - optional
Certifications:	CE marked Conforms to US EPA Standards (EPA/530/UST-90/009) Technology Patented by InterOcean Systems, LLC
Warranty:	1-Year InterOcean Factory Warranty Standard

Flameproof Enclosure Certifications

IECEX / ATEX Certification

Compliance: EC 60079-0:2014, IEC 60079-1:2014 , EN 60079-0:2014, EN 60079-1:2014

Certifications: Ex d IIB+H2 T6 Gb IP68 / -10°C ≤ Ta ≤ +60°C / IECEX ETL 15.0032X
 Ⓜ II 2 G Ex db IIB+H2 T6 Gb IP68 / 10°C ≤ Ta ≤ +60°C / ITS 16 ATEX 102302X

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