DASTEC S.R.L.

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Slick Sleuth™

SLICK SLEUTH

SLICK SLEUTH SS320-*EXd*
OIL SPILL DETECTION & ALARM
FOR INSTALLATION IN HAZARDOUS GAS AREAS

Real-Time Oil Spill Detection
Non-Contact Sensor System
High Sensitivity - No Maintenance

Slick Sleuth™ systems are used in a wide variety of industrial and environmental applications for real-time detection of oil leaks and spills. 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.

Patented non-contact scanning optic and detection processor provide high sensitivity and user-adjustable alarm thresholds for detection of small (micron-level) sheens or oils slicks in real time. 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.) and/or to actuate valves, shut off pumps and initiate other corrective measures.

Slick Sleuth automated oil spill detector is mounted over the water surface, allowing ease of installation and access. Non-contact sampling eliminates issues of aquatic growth or fouling due to debris, ice, or oily residue and is also suitable for spill monitoring over concrete, or wet/dry drainages.

Slick Sleuth technology is widely used for remote spill detection applications such as refineries, terminals, power plants, airports, and other industrial facilities where early warning spill detection and control is needed. Typical installation points include sumps, weirs, separators, storm water and process-water sewers, outfalls, discharges, retention ponds, lift stations, harbor piers, etc.

Sensors may be operated as stand-alone systems, or networked arrays, for seamless integration to end user's data acquisition system (e.g. SCADA or PLC).

The Slick Sleuth oil spill detection system delivers significant cost reduction and environmental benefits to operators with its reliable, all-weather, non-contact and low maintenance technology. Please contact one of our application engineers to discuss utilizing this best available technology as an important part of your spill prevention and response plan.

160823-3C

Slick Sleuth SS320-EXd Specifications

Operation:	Automated, Optical, Non-Contact Sensor
	Patented UV Filter-Fluorometer Methodology
	Broad-Range Sensor Detects: Crude, Lube, Hydraulic, Fuel, Jet, Turbine, Hydraulic, Transformer, & Many Other Types of Oils – *Contact factory to inquire about specific oils*
Sensitivity:	1 +/- Micron Sheen
	User Adjustable Sensitivity
	Discrete Alarm and/or Scaled Signal Output
Range:	Up to 8 Meters (Over Ground or Water)
Operating Temp:	-10 to +60 °C (Standard) -20 to +60 °C (*Optional*)
Enclosure:	Cast Aluminum EXd Flameproof Housing (See Ratings Below)
	External Ports: Power In, Signal Out, USB Serial Interface
Dimensions:	Approx. 18¼" x 14¾" x 13½"	47cm x 38cm x 35cm (H x W x D)
Weight:	Approx. 85 lbs.	39 kg
Input Power:	85-264 VAC, 50/60 Hz (DC Input - *Contact Factory*)
UV Light Source:	Xenon Flash Used to Generate a Collimated 14° Conical Beam
UV Flash Life:	2.5 Years Typical at Highest Sampling Rate (e.g. 2 Hz)
Outputs:	Indicators - Local Status & Alarm (Class 1 Division 1, Zone 1)
	Relays – Oil Detection (DPDT) & Equipment Status (SPDT)
	Serial - USB, RS232, RS485
	Analog - Current Loop / 0-20 mA (*Optional*)
Wireless Options:	RF, GSM/GPRS Cellular, WiFi, Satellite – *Contact Factory*
User Interface:	Sensor Operates Autonomously
	Utility Program Used During Set-up and to Adjust Settings
Base Station:	PC Running Slick Sleuth Base Station Software - *Optional*
Web Portal:	Password Accessed Web User Interface (WUI) – *Optional*
Certifications:	C E Marked
	Conforms to US EPA Standards (EPA/530/UST-90/009)
	Technology Patented by InterOcean Systems, LLC
Warranty:	1-Year InterOcean Factory Warranty Standard

* Disclaimer: The Slick Sleuth SS300-EXd has not been Third-Party Certified by the Manufacturer for use in Hazardous Gas Environments

Flameproof Enclosure Certifications: Model SS320-EXd

Class I Division I, Gas Groups B, C, D	UL 1203
Class II, Division I, Gas Groups E, F, G	CSA C22.2 No. 30
Class III	IECEx UL 10.0046U
Type 4, 7, 9	UL 50
Type 4X	
Class I Zone 1, AExd IIB	UL 60079-0 / UL 60079-1
Ex d IIB	CSA 60079-0 / CSA 60079-1
Epsilon 07	ATEX 2251U
0539 Ex 2GD Ex d II B+H	EN 60079-0 / EN 6–79-1
Ex tD A21	
IP 66	

Optical Window

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