

Slick Sleuth

Early Warning Detection and Alert for Oil Leaks and Spills



Tel: 55 21 3575-3700 | www.use.com.br

www.slicksleuth.com



Oil Spill Detection Systems For Use In:

- Refineries
- Power Plants
- Industrial Spillways
- Sumps & Separators
- Tanks & Terminals
- Inland Waterways
- Loading Piers
- Ports & Harbors
- Desalination Plants
- Coastal & Offshore

Slick Sleuth™



Slick Sleuth™ Oil Detection Systems are used for real-time detection of oil leaks and spills on fresh, brackish or saltwater and also on ground and other surfaces. The sensor is used to detect a wide range of oils and petroleum derivatives which include crude oil, fuel oil, lube oil, turbine oil, hydraulic oil, motor oil, gasoline and jet fuel, as well as various food oils, process oils and many others. Slick Sleuth is a UV-fluorosensor, using the same highly-sensitive optical method for sensing

oil as utilized in lab analysis of hydrocarbons; but in a simplified and ruggedized package for remote detection and alert of oil in all weather conditions, day or night. Slick Sleuth systems are used around the globe for industrial and environmental monitoring applications. Slick Sleuth sensor technology has evolved into a family of products optimized to satisfy the unique application requirements associated with the wide variety of deployment settings and customer needs.



Slick Sleuth SS100

- Detection range up to 1-meter above surface.
- Typically used in storage tank and terminal facilities.
- Enclosure rated for hazardous gas area installation.
- 4-20 Analog and Alarm Relay outputs for interface with industrial PLC and facility DCS.



Slick Sleuth SS300

- Detection range up to 5-meters above surface.
- Used for a wide variety of industrial and marine applications.
- 4-20 Analog and Alarm Relay outputs for interface with industrial PLC and facility DCS, plus outputs for serial and wireless interface.
- Most popular and versatile system available in the market today.



Slick Sleuth SS320

- Detection range up to 8-meters above surface.
- Typically used for pier installation at marine terminals.
- 4-20 Analog and Alarm Relay outputs for interface with industrial PLC and facility DCS, plus outputs for serial and wireless interface.
- Powder coated stainless housing with optical window and watertight fittings for added protection in marine environment.



Slick Sleuth SS360 Rig Guard

- Detection range up to 20-meters above surface.
- Designed for use on offshore platforms and rigs.
- Optimized for detection of crude oil, diesel and oily-water from slop tanks on the ocean surface and waves below platform.



Hazardous Environments

Slick Sleuth can be supplied for installation in hazardous gas areas (Class I Divisions I or II / Zones 1 & 2) within refineries, production facilities, terminals and petrochemical plants. Slick Sleuths provided with pressurized purge units, or housed in explosion-proof enclosures, can be supplied for compliance with UL, CSA, IEC and ATEX standards for installation in hazardous areas.



Remote Installations

Slick Sleuths can be provided with Solar DC Power Units (PSU) and/or Remote Wireless Telemetry Units (RTU) for installation at remote site locations where operating power is not readily available. PSUs are engineered to provide continuous power throughout the year. RTUs incorporate either point-to-point radios or cellular GSM/GPRS modems for wireless communications. Each system is designed to account for the geographic location, operating environment, distance, line-of-sight, specified radio frequencies, etc.



Network Configurations

Slick Sleuths can be configured as a series of stand-alone detection stations or as a networked array, to provide wide area coverage at strategic points throughout a facility or region. Detector networks are commonly integrated directly into a facility's monitoring and control system (SCADA, PLC, etc.). Alternatively Slick Sleuth application software can be provided using a dedicated Base Station Computer, or accessed as a service via the secure Slick Sleuth Web User Interface (internet based) for remote real-time monitoring, alert, command & control.



Coastal & Offshore Deployment

Slick Guard Oil Detection Buoy is an integrated, turnkey, environmental monitoring system. Slick Guard is designed to be moored off shore, or wherever a floating oil spill monitoring station is needed. Typical deployments include points around the intakes of power production and desalination plants, at the mouth of industrial discharge channels, and for the protection of environmentally sensitive areas. Slick Guard includes: Slick Sleuth Oil Detection & Alarm, Solar DC Power Unit (PSU), Remote Wireless Telemetry Unit (RTU) and Ruggedized Dual-Hull Flotation Platform.



Applications & Installations

Slick Sleuth is designed and manufactured for installation in rugged industrial settings as well as harsh marine environments. Industrial applications include monitoring sumps, sewers, retention ponds, tank dikes, outfalls, etc. Real-time detection alerts can be coupled with automated actuation of valves, pumps and skimmers. Marine applications include monitoring of terminal piers, offshore loading buoys, protection of seawater intakes and environmentally sensitive habitats – anywhere there is value in preventing oil spills!

Slick Sleuth detectors are conveniently installed above water and/or dry surfaces. Slick Sleuth offers sheen-level detection for a wide range of hydrocarbons, from kerosene to crude oil, with user-adjustable sensitivity, and a variety of options for connecting to industrial control rooms as well as remote wireless communications. Please contact us today to discuss your specific application requirements.

- Non-Contact Optical UV Sensor
- Payback with Single Detection
- Detects Wide Range of Oil Types
- High Sensitivity, Low Maintenance
- Installed & Supported Worldwide
- Complete Line of Products & System Solutions



InterOcean Systems

In addition to Slick Sleuth Oil Detection Systems, InterOcean is a world leader in the design and manufacture of Current Meters, Wave & Tide Gauges, Oceanographic (METOC) Monitoring Buoys, Acoustic Releases, and Custom Marine Winches. With our proven commitment over 70 years to product reliability and customer support, you can rely on InterOcean Systems for your oceanographic and environmental sensor system needs.

InterOcean Systems Inc.
Environmental Systems Division



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