Oil Spill Tracking

IRIDIUM SURFACE TRACKING SYSTEM

Reliable, continuous information from the ocean's surface can be difficult to gather. OSKER and ROBY offer global communications via the Iridium satellite system in a small, rugged package with sophisticated on-board programming. Manage 2-way communication between the tracking unit and XeosOnline™ monitoring system for full remote configurability. The OSKER is a single use air-deployed surface tracker, with antennas and power integrated. Deployed in a group, the OSKERs provide accurate real time tracking over an area of the surface, mapping currents, oil spills, or other phenomenon. Set the Watch Circle to get automatic notification if any of the units travel outside the designated area.

The ROBY is a re-usable surface tracker with antennas and user replaceable batteries. Information can be received via plaintext email and/or monitored using XeosOnline™, a web-based monitoring software providing map level positioning and history. 2-way communication via Iridium allows for remote changes to the watch circle settings or reporting intervals. Trust OSKER & ROBY to bring you the information you need when you need it most.

Key Features

- **Iridium transceiver for 2-way command & control**
- **Available in kits of 5 or 10 units**
- **Watch circle for alarm notification of spill movement**
- **Air-deployed (OSKER)**
- **Replaceable batteries (ROBY)**
- **Compatible with XeosOnline™ monitoring system**

The OSKER is designed to meet to exceed your operational requirements for a reliable tracking beacon. The on-board Iridium communication and XeosOnline™ monitoring software provide global intelligence on spill movement. All Xeos products are fully backed by a comprehensive warranty and excellent support. To arrange a demo or to learn more about our products, please contact us at the numbers below.

Potential Applications:
CURRENT TRACKING | DEBRIS VORTEX MONITORING | METEORLOGICAL & OCEAN STUDIES

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NOW WITH Bluetooth 4.0

ROBY | OSKER

TECHNICAL SPECIFICATIONS*

ROBY

Functionality

Base Function	2-way Iridium communication
Serial Programmable Functions	GPS location & transmission of data

Electrical

Battery Supply	18 AA Batteries (lithium or alkaline)
Operational Lifetime	Approximately 2 years at 3 hour intervals

Communication

Iridium	9603 Modem
Antenna	Dual RHCP Iridium patch antennas & independent dual GPS antennas
Local	Bluetooth Low Energy (BTLE)

Mechanical

Dimensions	2.25″ diameter x 8.25″ length 8″ diameter collar
Weight (with collar)	1131 g
Material	Delrin & urethane foam

Environmental

Operating Temperature	-20°C to +60°C
Depth Rating	Surface use only

Compatible With

XeosOnline™ Console	Web based control & tracking
BTLE Android App	Diagnostic and commands

OSKER

Functionality

Base Function	2-way Iridium communication Single use
Programmable Intervals	GPS location & transmission of data Watch Circle diameter

Electrical

Battery Supply	Integrated
Operational Lifetime	181 days at 3 hour intervals

Communications

Iridium	9603 modem
Antenna	Dual RHCP Iridium patch antennas & independent dual GPS antennas
Local	Bluetooth Low Energy (BTLE)

Mechanical

Dimensions	5″ diameter x 2.0″ Foam 8″ diameter
Weight	517 g
Material	ABS & urethane foam

Environmental

Operating Temperature	-20°C to +60°C
Depth Rating	Surface use only

Compatible With

XeosOnline™ Console	Web based control & tracking
BTLE Android App	Diagnostic and commands

**Specifications subject to change without notice.*

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