

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 | METEOROLOGICAL & OCEAN STUDIES



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ROBY
OSKER

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.

