

# Totally Deep, Totally Global

SELF-CONTAINED SUBMERSIBLE IRIIDIUM MICRO BEACON

The XMi-11K is an independently powered, self-contained Iridium beacon that is fully submersible to 11,000 m (36,089 ft). This beacon has been designed to protect your valuable assets and make their recovery even easier. The XMi-11K features an ultra low power water sensor to optimize battery life while ensuring you will be notified of any surfacing event. The enclosure is all titanium with a solid state surface sensor and an optional remote head.

## Key Features

- Miniaturized design in a titanium enclosure
- User selectable transmit frequencies
- Available remote head
- Solid state surface sensor
- Configuration control via smartphone with Bluetooth 4.0
- Low power consumption for extended deployments
- Pole-to-pole coverage through the Iridium system

The XMi-11K is designed to meet or exceed your operational requirements for an ultra deepwater submersible beacon.

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.



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# XMi-11K



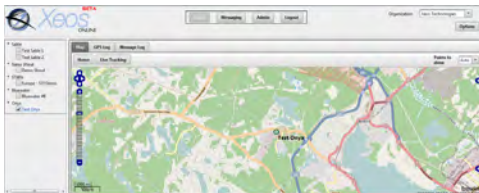
# XMi-11K



## TECHNICAL SPECIFICATIONS\*

### Xeos Online

Xeos Online is a web-hosted application that streamlines and facilitates the management of all your Iridium devices. A single source for device management, team setup, notification and alarm management, data collection, analysis, and billing, Xeos Online puts it all at your fingertips. Mobile ready and cross-browser compatible, be in control from anywhere.



XMi-11K with optional remote head

### Who are we?

Xeos is a leading technology firm created by visionaries with a passion for excellence. Xeos prides itself on a pioneer mentality, always striving to create superior technological solutions to tracking and monitoring problems. For more information on our COTS and custom developments please contact us at the numbers below.

### Functionality

*Base Function:* 2-way Iridium communication  
*Programmable Intervals* GPS Location & transmission of data

### Electrical

*Supply Voltage:* 6 AA batteries (alkaline or lithium)  
or 9 CR123A Lithium batteries  
**OPTIONAL ENCLOSURE:** 7 x CR123A lithium batteries

### Power

**CR123A:** 2 years subsurface, 155 days at surface  
**AA (LITHIUM):** 2 years subsurface, 77 days at surface

### Sleep Current

28  $\mu$ A

### Transmit Current

70 mA (avg. 30 sec)

### Communications

*Iridium:* 9603 Iridium Transceiver

### Antenna:

Xeos proprietary antenna, designed to withstand high pressure environments

### Local:

Bluetooth Low Energy (BTLE)

### Mechanical\*

#### Standard Enclosure

*Dimensions* 48.92 cm L x 5.08 cm diam\* (19.26" L x 2.00" diam)\*

*Weight* 987 g - in water, 1407 g - out of water

#### Optional Enclosure

*Dimensions* 42.35 cm L x 5.08 cm diam.\* (16.675" L x 2.00")\*

*Weight* 874g - in water, 1253g - out of water

### Material:

All titanium with a glass dielectric antenna component

### Environmental

#### Operating

*Temperature:* - 40°C to + 60°C

#### Depth Rating:

Submersible to 36,089 ft (11,000m)

### Compatible with

#### Xeos Online Console

Web-based control & tracking

#### BTLE Android App

Diagnostics and Commands

\* Represents maximum diameter of beacon \* Flexible battery pack & accessory options available for use with existing couplings

\* Technical Specifications subject to change without notice.

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