

Totally Deep, Totally Global

SELF-CONTAINED SUBMERSIBLE ARGOS BEACON

The XMA-11K is an independently powered, self-contained Argos beacon that is fully submersible to 11,000 m (36,089 ft). The depth rating on this beacon will take you wherever you need to go under any ocean. This beacon has been designed to protect your valuable assets and make their recovery even easier. The use of Argos makes your assets trackable from anywhere in the world and is packaged with a glass and titanium enclosure, and solid state surface sensor, designed to withstand extreme pressure. Optional remote head available.

Key Features

- **Miniaturized design in a Grade 9 titanium and glass enclosure**
- **User settable transmit frequencies**
- **Available remote head on 6' tether**
- **Solid state surface sensor**
- **Low power consumption for extended deployments**
- **Global coverage through the Argos system**

The XMA-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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XMA-11K

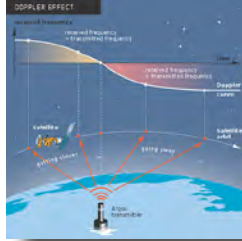
XMA-11K



TECHNICAL SPECIFICATIONS*

How Argos Works

The Argos system calculates locations by measuring the Doppler Effect. The Doppler Effect is the change in frequency of a sound wave or electromagnetic wave that occurs when the source of vibration and observer are moving relative to each other.



The classic case is when an observer notices a change in the sound when a train approaches and moves away. Similarly, when the satellite approaches a transmitter, the frequency of the transmitted signal measured by the onboard receiver is higher than the actual transmitted frequency, and lower when it moves away. Each time the satellite instrument receives a message from a transmitter, it measures the frequency and time-tags the arrival. The Argos processing centers compute the locus of possible positions for the transmitter.

Courtesy www.argos-system.org

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:

Fully compliant Argos PTT

Serial Programmable Functions:

User ID, Repetition Period, Transmit Frequency, Data Message

Electrical

Battery Supply:

Standard, long tube: 6 AA alkaline batteries

Optional, short tube: 7 x CR123A lithium batteries

Operational Lifetime:

>96 days when transmitting at 90 second intervals (default setting)

RF

Output Power:

1 watt

Antenna Output Impedance:

50 ohms nominal

Channels:

User Selectable, 401.63 to 401.656 MHz.

Programming Interface

Serial Interface:

TTL level 9600 baud

Mechanical*

Standard Enclosure, long tube

Dimensions

43.66 cm L x 2.87 cm diam
(17.13" L x 1.13" diam) without antenna

Weight

652 g - in water, 921 g - out of water

Optional Enclosure, short tube

Dimensions

38.2 cm L x 2.86 cm diam.
(15.04" L x 1.13") without antenna

Weight

431g - in water, 644g - out of water

Material:

Grade 9 titanium and glass

Environmental

Operating Temperature:

- 40°C to + 60°C

Depth Rating:

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

* Technical Specifications subject to change without notice.



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