

THE ION

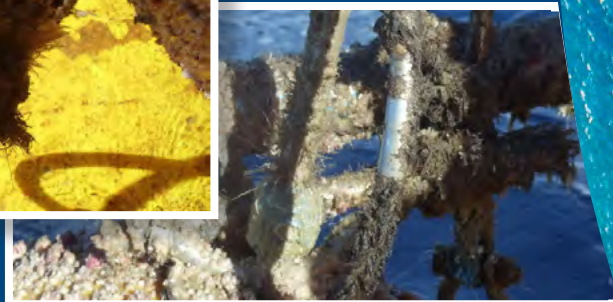
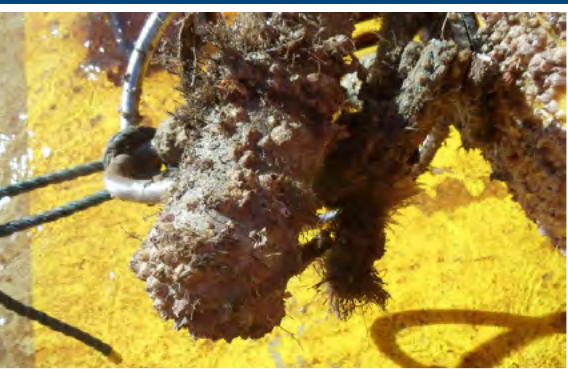
BIO-FOULING RESISTANT

The Ion is an independently powered, self-contained mooring beacon with the power of an ultra-bright LED Flasher combined with satellite communications. The Ion's unique copper nickel alloy design makes it resistant to bio-fouling, which can be a key factor in limiting oceanographic studies.

Get notification of the Ion's arrival at the surface from anywhere on earth via the Iridium Low Earth Orbit satellite communication system. Once you arrive on site, you will get unparalleled visibility even in the worst conditions.

The Ion is fully submersible and has been rated to 1,000 m below sea level. The solid state surface sensor provides a measure of reliability unavailable in mechanical methods. The Ion provides superior functionality and flexibility in a miniaturized package.

*Protect your equipment
from bio-fouling with a unique
copper nickel design.*



ION



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TECHNICAL SPECIFICATIONS*

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Functionality

<i>Base Function</i>	2-way Iridium communication LED Flasher
<i>Programmable Intervals</i>	GPS Location & transmission of data Flash Options: 1, 2, or 3 flashes; 10 optional timer settings (1-30 sec)

Electrical

<i>Battery Supply</i>	3 D-Cell Lithium (not included)
<i>ON/OFF Controls</i>	Reed switch activation Solid state surface detection for surface detection Selectable tilt sensor Command to turn flasher ON during recovery (default one flash every 10 seconds)

LED Technology

<i>LED</i>	3.0 watts, single emitter type
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Communications

<i>Iridium</i>	9603 Iridium Transceiver, SBD
<i>Antenna</i>	Xeos proprietary antenna, designed to withstand extreme pressure environments
<i>Local</i>	Bluetooth Low Energy (BTLE)

Environmental

<i>Operating Temperature</i>	- 20°C to + 60°C
<i>Storage Temperature</i>	- 40°C
<i>Depth Rating</i>	Submersible to 1,000m

Compatible with

<i>XeosOnline™ Console</i>	Web-based control & tracking
<i>BTLE Android App</i>	Diagnostics and Commands

Mechanical

<i>Dimensions</i>	12.125" x 2.00"
<i>Weight</i>	1775 g – In water, 1155 g – Out of water
<i>Material</i>	Copper Nickel 90/10 Alloy UNS Number C70600
<i>End Cap</i>	Screw off, O-Ring sealed
<i>Lens</i>	Glass

*Specifications subject to change without notice.

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