

Simplifying Your Asset Recovery

AIS COMPATIBLE RECOVERY BEACON

The Petrel X is an AIS-compatible recovery beacon that operates analogous to an AIS Aid to Navigation (AtoN). Designed for short range tracking and recovery, the Petrel automatically displays its location on nearby vessels AIS chartplotter when within sufficient range. With no additional devices, software, or data plans required, the Petrel is the most convenient recovery beacon on the market.

Xeos's 18 years of expertise designing oceanographic recovery beacons has enabled us to create the worlds first submersible AIS-compatible beacon. This revolutionary technology will allow the beacon's location to appear directly on the vessel navigation system so ship captains can retrieve the asset in a more efficient manner.

The Petrel X is fully submersible and has been rated to 6,000 meters below sea level. During surfacing events, the water sense detection circuit provides a measure of reliability unavailable in mechanical methods.

Key Features

- Automatically displays its location on nearby vessels AIS chartplotter
- No additional devices, data plans, or software required
- Enters low power sleep when underwater
- Range of 2 Kilometers when transmitting
- Configuration with smartphone app via Bluetooth
- Three sizes: Petrel X7, Petrel X3, and Petrel X RH

The Petrel is backed by a fully comprehensive warranty and committed support. To arrange a demonstration or to learn more about our products, please contact us at the numbers below.



Xeos Technologies Inc Data Telemetry Specialists

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PETREL X

APPLICATIONS:

Autonomous vehicle tracking & recovery

Deep sea mooring recovery

Ocean Bottom Seismometer recovery

Petrel X

TECHNICAL SPECIFICATIONS*

Petrel X Models

PETREL X7

<i>Battery Supply</i>	7 D cell alkaline batteries
<i>Length</i>	52.91 cm (20.83") - Tube 18.29 cm (7.20") - Antenna
<i>Weight</i>	3695 g - in air 2635 g - in water
<i>Depth Rating</i>	6,000 m

PETREL X3

<i>Battery Supply</i>	3 SAFT LSH20 D-cell batteries
<i>Length</i>	28.49 cm (11.20") - Tube 18.29 cm (7.20") - Antenna
<i>Weight</i>	1839 g - in air 1264 g - in water
<i>Depth Rating</i>	6,000 m

PETREL X REMOTE HEAD

<i>Battery Supply</i>	External power required
<i>Length</i>	8.39 cm (3.30") - Head 18.29 cm (7.20") - Antenna
<i>Weight</i>	610 g - in air 410 g - in water
<i>Depth Rating</i>	6,000 m

Functionality

<i>Base Function</i>	Transmission of GPS location on AIS channels
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Communications

<i>Message Type</i>	AIS Message Type 21 (AtoN Report)
<i>Message Info</i>	MMSI, AIS name, Latitude & Longitude
<i>GNSS Receiver</i>	uBlox MAX-8C-0
<i>Antenna</i>	Xeos Proprietary Antenna, designed to withstand high

Electrical

<i>Supply Voltage Range</i>	7-28 V Nominal
<i>GPS Aquisition Mode</i>	195 mW
<i>AIS Operation Mode</i>	320 mW
<i>AIS Transmission (50ms duration)</i>	1.45 W
<i>Underwater Mode</i>	480 μ W

Mechanical

<i>Material</i>	Titanium housing with a glass component and whip antenna
<i>Diameter</i>	5.08 cm (2.00")
<i>End Cap</i>	Screw off, O-Ring sealed

Environmental

<i>Operating Temperature</i>	-40° C to +60° C
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*Specifications subject to change without notice

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