

Freezing Cold Salt Water for 2 Straight Years? Perfect.

SURFACE BUOY MONITORING BEACON

Melo is an independently powered, self-contained satellite transceiver packaged in a ruggedized, UV protected marine grade housing suitable for attachment to various surface buoys and navigational markers. Melo makes use of the low power, real time Iridium satellite constellation and GPS to reliably transmit the buoys position location automatically or on demand at any time.

Key Features

- **Housing is Watertight to 10 meters**
- **Independently Powered Beacon with User Replaceable Batteries**
- **2-Way Command and Control Functions**
- **Compact Size (28" long X 3" OD)**
- **LED on/off Visual Indicators**
- **Internal Integrated Antennas**
- **Low Cost SBD Iridium Service**
- **GPS Data Logging Option (2MB)**

The Melo is designed to meet or exceed your operational requirements for a surface monitoring beacon. Fully backed by a comprehensive warranty and excellent support you can be confident this is a tool you'll come back to time and time again. To arrange a demonstration or to learn more about our products please contact us at the numbers below.



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Melo

TECHNICAL SPECIFICATIONS



Above: Workers replace batteries in a Melo beacon on site. The unique design of the Melo beacons allows for fast and easy maintenance without the need to remove it from the site.

Configurations/Options

The Melo beacon is available in several configurations with unique options. Please contact us for more information on the available Melo configuration and options.

Who are we?

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

Melo Specifications*

Electrical

<i>Battery Supply:</i>	One piece 18D cell Alkaline Batteries
<i>Capacity:</i>	18 Ampere-Hours
<i>Lifetime:</i>	2 Years normal reporting or over 3,000 bidirectional messages

Mechanical

<i>Dimensions:</i>	28" long X 3" OD
<i>Material:</i>	UV Protected ABS
<i>Internal Chassis:</i>	Aluminum
<i>End Cap:</i>	Screw-off, O-Ring Sealed
<i>Depth Rating:</i>	Watertight to 10m

Environmental

<i>Operating Temperature:</i>	- 30°C to + 60°C
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Iridium Transceiver

<i>Type:</i>	9601-D-I
<i>Frequency:</i>	1616 to 1626.5 MHz
<i>Antenna:</i>	Patch Type

GPS Receiver

<i>Type:</i>	20 Channel Sirf III Chipset , -159 dBm Sensitivity
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**Specifications subject to change without notice.*



About Iridium

Iridium Satellite LLC is the only provider of truly global voice and data solutions with complete coverage of the earth, including oceans and polar regions. The Iridium Constellation of 66 low-earth orbit (LEO), cross-linked satellites, operates as a fully meshed network and is the largest commercial satellite constellation in the world. The Iridium service is ideally suited to real-time maritime emergency applications such as free-drifting subsurface data collection platforms at sea.

