

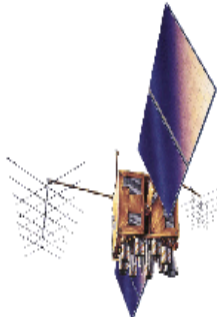


SABLE IRIDIUM SUB-SURFACE MOORING LOCATION BEACON

SABLE remotely monitors underwater moorings that may accidentally rise to the surface. If the mooring breaks, the platform floats to the surface and starts transmitting via the IRIDIUM Satellite Constellation.



The Sable Subsurface Iridium Satellite Mooring Location Beacon continuously monitors for unplanned or accidental release of subsurface instrument moorings. Sable makes use of the bi-directional, global, real time Iridium satellite Short Burst Data (SBD) network in combination with GPS position location. Oceanographic and environmental instrument mooring professionals have greater control in instantly and accurately locating and recovering high value, free drifting assets at sea. Sable's sleek tubular design allows it to be easily retrofitted into subsurface flotation such as syntactic foam.



Features:

- 9601-D-I Iridium satellite SBD transceiver.
- Xeos Technologies GPS receiver.
- Iridium downlink signal activation method, no pressure switch to foul.
- Alkaline battery for easy international air shipment, user serviceable battery replacement.
- Mooring depth rated to 5000m.
- High quality, titanium/delrin construction.
- Real time bi-directional position location on demand, remotely turn it off when not needed. Saves operating costs.
- No need to radio direction find with GPS position location.
- LED On/Off visual indicators.
- Water sense circuit for immediate notification of surfacing event.

Specifications:

Electrical

Battery Supply: (14) Alkaline D Cells Diode Isolated
Voltage: +10.5 volts nominal
Capacity: 20 Ampere-Hours
Lifetime: (3 Years) 2 Years Subsurface followed by
1 Year of 2000 Outbound/Inbound Surface Messages

Iridium Transceiver

Type: 9601-D-I
Frequency: 1616 to 1626.5 MHz
Antenna: Xeos dual band Type

GPS Receiver

Type: Xeos Technologies GPS
Channels: 12
Antenna: Xeos dual band Type

Mechanical

Dimensions: 600mm long X 73.7mm OD
Weight: Air 5.1 Kg Water 2.6 Kg
Material: Titanium and Delrin
Pressure rating 5000m

Environmental

Operating Temperature: - 30°C to + 60°C

Rapid Payback:

With hours of sea search time saved, the SABLE subsurface mooring monitoring will pay for itself the first time a mooring breaks loose.



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.

Email Acknowledgement of Alert Message

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From: sbdservice@sbd.iridium.com
Date: Mar 3, 2006 12:43 PM
Subject: SBD Msg From Unit: 30003401200XXXX
MOMSN: 139
MTMSN: 76
Time of Session (UTC): Fri Mar 3 16:43:26 2006
Session Status: 00 - Transfer OK
Message Size (bytes): 32
Unit Location: Lat = 44.755963 Long = -
63.728655
CEP radius = 3
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REF – SABLE iss D Feb 2009