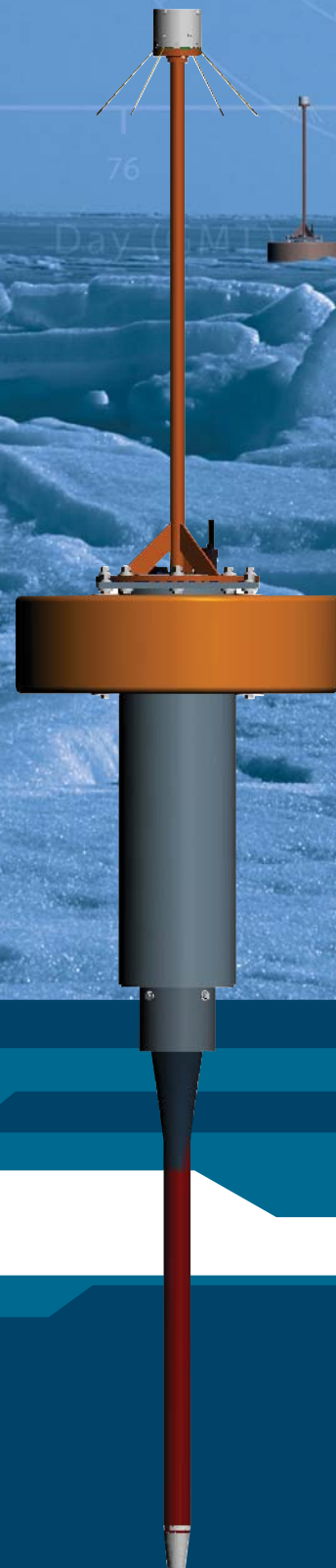


Ice Beacon

Bi-directional Communication

Various Sensor Options

Robust Design



The METOCEAN Ice Beacon is a proven, rugged modular polar platform that is designed for a large sensor payload.

Measurements available with the METOCEAN Ice Beacon include ice movement (GPS Position), atmospheric data, ice and air temperature with an optional sub-surface CTD package. An optional lithium battery pack is available for extended life and Iridium telemetry for bi-directional communication.

The hull is constructed of aluminum with an Ionomer foam collar for floatation. The tubular hull is intended to be placed into a hole drilled in the ice, which provides excellent stability. The design is very compact and light to allow for easy, quick deployment.

MetOcean

21 Thornhill Drive
Dartmouth, Nova Scotia B3B 1R9
CANADA

Tel: +1 902 468-2505
Fax: +1 902 468-4442
www.metocean.com
sales@metocean.com

Ice Beacon

Buoy Dimension

Hull Diameter:	8.625 in OD (22cm OD)
Flotation Collar:	Ø 24 in x 7.25 thick (Ø 60cm x 18cm thick)
Total Height:	48.0 in (122cm)
Weight in Air:	91 lb (41kg)

Buoy Construction

Hull:	8.0 in schedule 40, 6061-T6 aluminum tube
Collar:	Softlite® Ionomer foam type 450
Mast:	1.0 in schedule 40, 6061-T6 aluminum tube

Sensors

Air Temperature:	YSI 44032 (optional 2 meter mast)
Sea Surface Temperature:	YSI 44032
Battery Voltage:	Precision Resistive Divider
GPS Receiver:	Conexant Jupiter Model TU35-D410-031
Barometric Pressure:	Vaisala PTB100

Electronics

Argos PTT:	METOCEAN Model MAT 906
Iridium:	Short Burst Data Modem (optional)
CT/CTD:	SBE 37 (optional)

Power Supply

Alkaline:	120 D-cells Alkaline-Manganese Dioxide
Lithium:	75 D-cell Lithium-Thionyl Chloride (SAFT LS 33600) (optional).



Data collection and communication experts

21 Thornhill Drive - Dartmouth, Nova Scotia B3B 1R9 - CANADA / Tel : +1 902 468 2505 / Fax : +1 902 468 4442
www.metocean.com / sales@metocean.com