

Snow Beacon

BEACON FOR POLAR APPLICATIONS

Cutting Edge Technology

Suited for Extreme Climates

Cost Effective Solution



The METOCEAN 'Snow Beacon' is an Iridium equipped, data collection and processing Beacon for Polar applications. The Snow Beacon's primary function is to measure snow depth at remote sites where high reliability, low power consumption, and dependable operation is critical.

In addition to the (4) Ultra Sonic Snow Height sensors, the Snow Beacon is equipped with a standard met sensor suite; including GPS, Barometric Pressure, Air Temperature and Sea Surface Temperature sensors. The Snow Beacon will provide 12 to 18 months of continuous unattended operation in extreme Polar climates.

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SNOW BEACON

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Technical Specifications

Dimensions

Mast	1.75m
Electrical Housing	0.75m x 0.22m Diameter
Overall Length	2.25m
Weight in Air	30 KG (66 Lbs)

Construction

Hull, Mast, Sonar Supports	6061-T6 aluminum
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Power

Tadiran Lithium Battery Pack	TLP-93181/D/OCN2
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Sensors

Barometric Pressure	Vaisala PTB110
Ice Surface Temp Sensor	YSI 44032
Sea Surface Temp Sensor	YSI 44032
Snow Height Sensor	MB7052 Sonar Range Finder

Electronics

Iridium	9602 SBD Modem
GPS	Jupiter 32xLP

Operation

Air Temperature	-40C to +40C
Sea Surface Temperature	-40C to +40C
Relative Humidity	0 to 100% Marine Environment
Barometric Pressure	800 to 1060 (h Pa)
Operating Life	12 to 18 Months Continuous Operation
Transmission Interval	Hourly Sensor Data / 3 – Hourly GPS Position

Storage

Storage Temperature	-20C to +55C
Storage Life	Up to 24 Months

Storage

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Data collection and communication experts

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