

# CALIB

- Compact air-launch ice beacon
- Air deployable
- Innovative and robust design
- Instrumentation packages available



METOCEAN SYSTEMS

The Compact Air Launched Ice Beacon (CALIB) is an Argos-reporting mini beacon that may be launched from either a fixed or rotary-wing aircraft. The CALIB buoys collect meteorological data in support of weather forecasting in polar climates and it is also used for ice flow tracking.

The standard CALIB is equipped with an Ice Surface Temperature Sensor (SST) and an alkaline battery pack for longevity. Additional sensors are available.



**metOcean**  
telematics

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# CALIB

## TECHNICAL SPECIFICATIONS

### PHYSICAL

Hull Diameter	5" (120 mm)
Height	36.10" (917 mm)
Mass (in air)	8.20 kg (18 lbs)

### CONSTRUCTION

Hull	Phenolic tube
Colour	White

### LAUNCH SPEED

0 to 200 knots Indicated Air Speed (IAS) maximum

### LAUNCH ALTITUDE

152.40 m to 2,438.40 m (500 ft to 8,000 ft)

### OPERATION

Air Temperature	-50°C to 55°C (-58°F to 131°F)
Sunlight	Direct exposure
Operating Life (alkaline)	3 months (at $\geq -30^{\circ}\text{C}$ )
Operating Life (lithium)	12 months (at $\geq -40^{\circ}\text{C}$ )
Battery Pack Size	20 D-cells
Storage Life (alkaline)	2 years (minimum)
Storage Life (lithium)	5 years (minimum)

### SURVIVAL

Air Temperature	-60°C to 55°C (-76°F to 131°F)
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### ELECTRONICS\*

Iridium Telemetry	9602N Short Burst Data transceiver
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### SENSORS

Ice Surface Temperature	YSI Model 44031
Battery Voltage	Precision resistive divider
Barometric Pressure	Valsala PMB-100 Pressure Sensor

\*Optional ARGOS Satellite Transmitter available