

# IR-7300

- Iridium® / GPS bi-directional telemetry beacon
- Submersible to 7,300m
- Retrofit AS/RF/ST NOVATECH™ housing



TRACKING & MONITORING

NOVATECH™ products have been proven throughout the world's oceans and trusted around the globe for over 40 years.

The NOVATECH™ IR-7300 Iridium® Beacon is a ruggedized incident alerting system designed to monitor and protect valuable underwater assets and oceanographic equipment. Utilizing the Iridium® satellite telemetry system allows users to receive real-time GPS positioning, and have bi-directional communication with the beacon at a cost effective price.

IR-7300, designed for long duration deployments, is suitable for operation at depths of 7,300m (24,000 feet). The IR-7300 is activated by a pressure switch which enables the unit to automatically power OFF below 10m and activate upon surfacing.

With the ability to be retrofitted to any existing deep rated NOVATECH™ housing, by adding two additional "C" cell alkaline batteries, the IR-7300 is a critical tool when monitoring assets around the world.



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telematics

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# IR-7300

## TECHNICAL SPECIFICATIONS

### PHYSICAL

Mass in air(batteries installed): 5.66lbs (2.57kgs)

#### Pressure Case

- Diameter: 1.73" (43.9 mm)
  - Height: 17.15" (436 mm)
- End Cap / Top End
- Diameter: 2.5" (63 mm)
  - Height: 5.85" (149 mm)

### CONSTRUCTION

- Case Material: Hard anodized aluminum
- End Cap/Top End Material: Titanium
- Antenna: Integrated dual band GPS/Iridium 1" ceramic patch in PEEK housing

### POWER

- On/Off Control: Pressure-activated switch turns beacon on at surface and off at depths below approx. 33' (10 m)
- Batteries: 6 "C" cell alkaline
- Battery Life: Submerged indefinitely, surfaced up to 90 days at 1 hour interval.

### ELECTRONICS ELEMENTS

- MetOcean's Global Platform Transceiver Controller™
- Navman Jupiter F2 Global Positioning System Module
- Iridium 9602 Short Burst Data Transceiver

### OPERATIONAL ELEMENTS

- Operating Temperatures: -40° to +60°C (-40° to +140°F)
- Ocean Depth Rating: Approx. 7,300 m (24,000 ft)