

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.



IR-7300

TECHNICAL SPECIFICATIONS

PHYSICAL

Pressure Case

- Diameter: 1.73" (43.9 mm)
- Height: 17.15" (436 mm)
- Mass in air: 3 kg (6.61 lb)

End Cap / Top End

- Diameter: 2.5" (63 mm)
- Height: 5.85" (149 mm)
- Mass in air (end cap/top end only): 1.4 kg (3.08 lb)

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

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



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