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.
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)