IR-7300
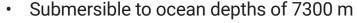
NOVATECH™ has been trusted worldwide for over 40 years.

The NOVATECH IR-7300 Iridium beacon is a ruggedized incident-alerting system, designed to monitor and protect valuable oceanographic assets. Using the Iridium® satellite constellation allows users to receive real-time GPS positioning, and have bi-directional communication with the beacon.

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

- Submersible to ocean depths of 7300 m
- Can transmit up to 90 days at a one-hour interval
- Iridium telemetry
- Automatic activation: OFF when submerged below 10 m, and ON at the surface
- Retrofit AS/RF/ST NOVATECH housing
- Real-time data
- Bi-directional communication
- Remote head (IR-7300-HD) available
- Iridium certified

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PHYSICAL			
Mass in air (with batteries)	2.57 kg (5.66 lb)		
Pressure Case	**Diameter**	43.9 mm (1.73″)	
	Height	436 mm (17.15″)	
End Cap	**Diameter**	63 mm (2.5″)	
	Height	149 mm (5.85″)	
CONSTRUCTION			
Hull Material	Hard anodized aluminium		
End Cap Material	Titanium		
Antenna	Integrated dual band GPS Iridium 1″ ceramic patch in PEEK housing		
POWER			
Batteries	6 "C" cell alkaline		
Battery Life (at 4°C)	Submerged indefinitely, srufaced up to 90 days at 1 hour interval		
On/Off Control	Pressure-activated switch turns beacon on at surface, off at depths below approx.33' (10 m)		
OPERATIONAL			
Operating Temperature	-40°C to 60°C (-40°F to 140°F)		
Ocean Depth Rating	Approx. 7,300 m (24,000 ft)		
ELECTRONICS			
MetOcean's Global Platform Tranceiver Controller™			
Navman Jupiter F2 Global Positioning System Module			
Iridium 9602 Short Burst Data Transceiver			

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