

INFINITY-iF



NEW



2025-04 v2

NOVATECH™ has been trusted worldwide for over 40 years.

Introducing the new Infinity-iF by NOVATECH™, a self-contained submersible designed to recover underwater oceanographic equipment with precision. This innovative device combines Iridium®/GPS Satellite Beacon features with a configurable LED Flasher, multiple battery hull options, and an optional data relay unit to meet a wide range of needs. Built to perform at full ocean depth, the Infinity-iF guarantees peace of mind in both anticipated and unforeseen asset recoveries with unmatched visibility.

NOVATECH Iridium beacons set the standard with its multifunctional design, configurable LED Flasher, and superior battery life, providing a reliable asset recovery solution under the harshest ocean conditions. Whether powered by lithium, alkaline batteries or through external power with the data relay version, the Infinity-iF combines innovation and efficiency in a compact, reliable package - giving you confidence in every recovery mission.



- **NOVATECH Iridium Beacon**
- **Depth rating to 11,000 m (36,089 ft)***
- **Self-contained, rugged, and innovative multifunctional design**
- **Configurable LED flasher**
- **Modular configuration**
- **Battery capacity options**
- **Multiple surface detection options**
- **Bidirectional satellite communication**



*Battery models only

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INFINITY-IF TECHNICAL SPECIFICATIONS

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PHYSICAL	
Head Diameter	50.8 mm (2.0")
Height - Head unit only	114.3 mm (4.5")
Mass in air	~0.500 kg (~1.10 lb)
Mass in water	~0.327 kg (~0.72 lb)
CONSTRUCTION	
Hull Material	Titanium (Grade 5)
Cap Material	Polycarbonate / Epoxy
Color	Aluminum
Lens Material	Polycarbonate / Epoxy
POWER	
Battery hulls	9 x CR123 Lithium
	7 x D Lithium or Alkaline
	3 x D Lithium
	1 x D Lithium
Data Relay	External power
ENVIRONMENTAL	
Operating Temperature (excl. batteries)	-30°C to 70°C (-22°F to 158°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Ocean Depth Rating	Battery models: 11,000 m (36,089 ft) / Data Relay models: 7,500 m (24,600 ft)
ELECTRONICS	
Iridium 9603 - Short Burst Data Transceiver	
GNSS Telit SE873	
FLASHER	
Dual high power LED - Hemispherical	
No flashes (off), single, double, triple, quad and pent flash	
Intensity - 5 levels	
Flashing Interval - variable options including: 1, 2, 3, 4, 5, 10, 20, 30, or 60+ seconds.	
Enables or disables the light sensor in the unit; if enabled, Flasher operates in dark conditions only	
Visible Range - Up to 5 Nm	
PROGRAMMING INTERFACE	
Local Configuration BLE SPP (Serial Port Profile) communication via Windows application	
Over-The-Air Configuration, Bi-directional Iridium SBD	
OPERATIONAL	
ON / OFF Control Magnet Reed switch	
Surface detection: GNSS sensing, Resistive sensing, Conductive Sensing	
ANTENNA	
Integrated triband GNSS / Iridium / BLE ceramic patch	

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