

# ICB-7500



2024-01 v1

| NOVATECH™, trusted for over 4 decades, excels in oceans globally.

The Iridium Combo Beacon (iCB-7500) is a self-contained submersible device designed for the location and recovery of underwater oceanographic equipment. It combines the features of an Iridium/GPS Satellite Beacon with a configurable white LED Flasher, integrated within the head assembly.

**NOVATECH™** metOcean telematics

The beacon, with a modular design allowing various configurations, supports LED flasher and Iridium, as well as multiple power sources such as an attached battery or external power. The lightweight bidirectional satellite communications head unit can be submerged to depths of 7500 meters (24,600 ft) and configured to conserve battery power when submerged. This beacon provides peace of mind for both expected and unexpected asset recoveries, offering visibility in rough seas and at night.

- **NOVATECH™ Iridium® beacons**
- **Self-contained**
- **Multifunctional Design**
- **Configurable LED Flasher**
- **Modular Configuration**
- **Option of lithium or alkaline batteries**
- **Superior battery life**
- **Rugged and innovative design**
- **Bidirectional Satellite Communication**
- **Asset Recovery Peace of Mind**



**Connected. Everywhere.**

# ICB-7500 TECHNICAL SPECIFICATIONS

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PHYSICAL	
Head Diameter	70 mm (2.79")
Height	600 mm (23.65")
Mass in air	4.91 kg (10.8 lb)
Mass in water	3.56 kg (7.84 lb)
CONSTRUCTION	
Hull Material	Titanium (Grade 5)
Cap Material	Aluminum Oxide Ceramic
Color	Aluminum
Lens Material	Sapphire
POWER	
Battery options	7 X D Lithium or Alkaline
	3 X D Lithium or Alkaline
	9 X CR123 Lithium or Alkaline
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	7,500 m (24,600 ft)
Storage Life	24 months
ELECTRONICS	
Iridium 9603 - Short Burst Data Transceiver	
GPS Telit SE880: Ultra-sensitive receiver, 48 Channel SiRFstarIV™	
FLASHER	
High Power LED – side emitting	
No flashes (off), single, double and triple flash.	
Intensity - Low, Medium, and High Settings.	
Flashing Interval 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 Bluetooth SPP (Serial Port Profile) communication via Windows application	
Over-The-Air Configuration, Bi-directional Iridium SBD	
OPERATIONAL	
ON / OFF Control Magnet Reed switch	
Operating Life: 1 year of daily transmissions at 1 hour interval. Note: The estimate varies if the 'flasher' is enabled	
ANTENNA	
Integrated dual band GPS / Iridium ceramic patch	

Connected. Everywhere.



FOR FURTHER SALES  
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