

MMB-7500



2024-01 v1

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

The NOVATECH™ MMB-7500 is a deep rated, miniature form-factor, lightweight, self-contained VHF radio locator beacon. Introduced as part of the new Mini-beacon line, the MMB-7500 has been added to the NOVATECH™ family of asset recovery devices.

The new digital circuit controller offers selectable preset frequency channels, along with a range of duty cycle options, resulting in a beacon that can be configured for a range of broadcast specifications.

Powered with Lithium, this miniature recovery aid is designed for long term ocean deployments (up to 5 years submerged), with enough power to transmit for up to 20 days. The Mini-Beacon housing includes an integrated conductivity sensor that isolates the unit's power while submerged and activates the device upon surfacing.

NOVATECH™
metOcean telematics

- **Miniature VHF radio beacon - FCC approved**
- **Detectable from up to 5 nautical miles**
- **Compact, self-contained submersible to 7,500m**
- **8 user selectable transmit frequencies**
- **Long-term ocean deployments (up to five years submerged)**
- **Conductivity sensor that activates upon surfacing**
- **At the surface the beacon transmits a pulsing RF signal for approx. 20 days.**



Connected. Everywhere.

MMB-7500 TECHNICAL SPECIFICATIONS

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PHYSICAL	
Diameter	29 mm (1.14")
Height (with antenna)	539 mm (21.23")
Height (without antenna)	373 mm (14.68")
Mass in air (with batteries)	0.68 kg (1.50 lb)
Mass in water (with batteries)	0.46 kg (1.00 lb)
CONSTRUCTION	
Hull Material	Titanium (Grade 2)
Cap Material	Titanium (Grade 5)
Color	Neutral
Lens Material	Polycarbonate / Epoxy
POWER	
Battery options	9 X CR123 Lithium or Alkaline
ENVIRONMENTAL	
Operating Temperature	-40°C to 60°C (-40°F to 140°F)
Storage Temperature	-40°C to 60°C (-40°F to 140°F)
Ocean Depth Rating	7,500 m (24,600 ft)
Operating Life	20 days at 33% (2s Tx, 4s Off) duty cycle, 5 years underwater
Storage Life	10 years at 25°C, 90% capacity
RF TRANSMITTER	
Output	50mW maximum, 1, 2, 3 or 4 sec. pulse OOK - Duty Cycle: 17% or 10%
Duty Cycle	17% or 10%
Harmonics	-40 dB minimum
User Selectable Frequency Range Opt. 1	154.585, 159.480, 160.725, 160.785 Mhz
User Selectable Frequency Range Opt. 2	159.150, 159.200, 159.250, 159.300 Mhz
Detectable Range	Up to 5 nautical miles
OPERATIONAL	
ON / OFF Control Magnet Reed switch	
RF Control: Dip Switch	
Activation: Surface sense (conductivity)	
Battery Life (at 4°C): Approx. 20 days upon surfacing	
Daylight off functionality	
FCC Certified	

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FOR FURTHER SALES
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