

MMB-7500

- Miniature VHF radio beacon
- Detectable from up to 5 nautical miles
- Compact, self-contained submersible to 7,500m
- 8 user selectable transmit frequencies



TRACKING & MONITORING

NOVATECH™ products have been proven throughout the world's oceans and trusted around the globe for over 40 years.

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.



metOcean
telematics

21 Thornhill Drive, Dartmouth, Nova Scotia B3B 1R9 CANADA
Tel: +1 902 468-2505 | Email: sales@metocean.com

metocean.com

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TECHNICAL SPECIFICATIONS

PHYSICAL

- Diameter: 1.14" (29 mm)
- Height (without antenna): 14.68" (373 mm)
- Height (with antenna): 21.23" (539 mm)
- 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)
- Lens Material: Polycarbonate / Epoxy
- Color: Natural

POWER

- Battery: 7x CR123A Lithium
- On/Off Control: Magnetic reed switch
- RF Control: Dip Switch
- Activation: Surface sense (conductivity)
- Battery Life (at 4°C): Approx. 20 days upon surfacing
- Daylight off functionality

RF TRANSMITTER

- Output: 50mW maximum, 1, 2, 3 or 4 sec. pulse OOK
- Duty Cycle: 17% or 10%
- Harmonics: -40db minimum
- User Selectable Frequency Range Option 1: 154.585, 159.480, 160.725, 160.785 Mhz
- User Selectable Frequency Range Option 2: 159.150, 159.200, 159.250, 159.300 Mhz
- FCC Certified
- Detectable Range: Up to 5 nautical miles

OPERATIONAL

- Temperature: -40°C to 60°C (-40°F to 140°F)
- Maximum Depth: 7,500 meters (24,600 ft)
- Operating Life: 20 days at 33% (2s Tx, 4s Off) duty cycle, 5 years underwater

STORAGE

- Temperature: -40°C to 60°C (-40°F to 140°F)
- Life: 10 years at 25°C, 90% capacity