

MMA-7500

- Miniature ARGOS beacon
- Submersible for up to 2 years
- Communicates via the ARGOS Satellite System
- Self-contained submersible to 7,500m



TRACKING & MONITORING

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

The NOVATECH MMA-7500 is a deep rated, small form-factor, lightweight, self-contained ARGOS locator beacon. Introduced as part of the new Mini-Beacon line, the MMA-7500 has been added to the NOVATECH family of asset recovery devices.

The device can be turned ON or OFF by triggering the internal reed switch with a magnet. The activation of the MMA-7500 is completely automatic and water sensor controlled. The water sensor is located in the antenna base—when submerged, the beacon goes into low-power hibernation mode.

Powered with Lithium, this miniature recovery aid is designed for long term ocean deployments (up to 2 years submerged), with enough power to transmit an ARGOS position data messages for 90 days. The Mini-Beacon housing includes an integrated conductivity sensor that isolates the unit's power while submerged and activates the device upon surfacing.



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TECHNICAL SPECIFICATIONS

PHYSICAL

- Diameter: 1.00" (25 mm)
- Height (without antenna): 16.50" (420 mm)
- Mass in air (with batteries): 0.56 kg (1.25 lb)
- Mass in water (with batteries): 0.34 kg (0.75 lb)

CONSTRUCTION

- Hull Material: Titanium (Grade 2)
- Cap Material: Titanium (Grade 5)
- Lens Material: Polycarbonate / Epoxy
- Color: Natural

POWER

- Output: From 500mW to 1 watt (voltage dependant)
- Antenna Output Impedance: 50 ohms nominal
- Batteries: 8 CR123A Lithium cells

PROGRAMMING INTERFACE

- Serial Interface: TTL level 9600 baud (firmware bootloader standard)
- ARGOS-II Band (S1-S23, L1-L3)
- Channels: User selectable, 401.6300 to 401.6800 MHz
- Antenna: Field replaceable ¼ wave whip, zinc anode protected (AN-903), field replaceable flexible ARGOS antenna (AN-904)

OPERATIONAL

- Temperature: -40°C to 60°C
- Maximum Depth: 7,500 m (24,600 ft)
- Operating Life: 2 years underwater
- Water Switch Hysteresis: 90 seconds

STORAGE

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



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