# MMA-7500

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

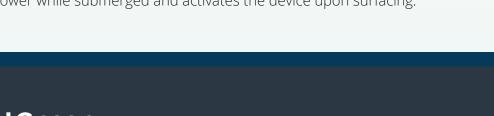


TRACKING & MONITORING

NOVATECH<sup>™</sup> 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 lowpower 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.





# MMA-7500

# **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

## **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

