

# AS-900A

**SATELLITE TRACKING AND ALERTING SYSTEM**

**Submersible to 7,300m for one year**

**ARGOS-II band (S1-S23, L1-L3)**

**Transmits up to 30 days**



## NOVATECH - PROVEN THROUGHOUT THE OCEANS

The AS-900A ARGOS Beacon contains an ARGOS system transmitter designed as a ruggedized incident alerting system for oceanographic applications anywhere in the world.

It may be submerged for long periods in ocean depths to 7300 meters (24,000 feet). The activation of the AS-900A is completely automatic, when submerged below 10 meters it is OFF and at the surface it is ON.

At the surface the beacon transmits an ARGOS position data message for 30 days.

**MetOcean**

21 Thornhill Drive

Dartmouth, Nova Scotia B3B 1R9

CANADA

Tel: +1 902 468-2505

Fax: +1 902 468-4442

[www.metocean.com](http://www.metocean.com)

[novatech@metocean.com](mailto:novatech@metocean.com)

# NOVATECH AS-900

## SATELLITE TRACKING AND ALERTING SYSTEM

### Features

Self-contained, submersible ARGOS beacon

- Submersible to 7,300m for one year
- Transmits up to 30 days
- ARGOS-II band (S1-S23, L1-L3)
- Pressure-activated on/off switch with manual override

### Technical Specifications

#### Physical

|                         |                                                            |
|-------------------------|------------------------------------------------------------|
| Size (pressure case)    | 18.5 x 1.7" (47 x 4.3 cm)                                  |
| Weight (with batteries) | In water 2.1 lb. (.95 kg)<br>In air 3.6 lb. (1.6 kg)       |
| Exterior Construction:  |                                                            |
| Case                    | Hard anodized aluminum                                     |
| Antenna Cap             | Brass core with molded neoprene rubber on exterior surface |

#### Power

|                |                                                                                                                                     |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------|
| On/Off Control | Pressure-activated switch turns flasher on at surface, off at depths below approx. 33' (10 m).<br>Manual override by rotating knob. |
| Batteries      | 4 "C" cell alkaline                                                                                                                 |
| Battery Life   | 30 days                                                                                                                             |

#### Transmitter

|           |                                                          |
|-----------|----------------------------------------------------------|
| Output    | 1 watt                                                   |
| Harmonics | -40db minimum                                            |
| Frequency | ARGOS-II band (S1-S23, L1-L3)<br>401.6300 – 401.6800 MHz |
| Antenna   | Field replaceable 1/4 wave whip, zinc anode protected    |

#### Environmental Elements

|                        |                                |
|------------------------|--------------------------------|
| Operating Temperatures | -40° to +140°F (-40° to +60°C) |
| Ocean Depth Rating     | Approx. 24,000' (7,300 m)      |



### Data collection and communication experts

21 Thornhill Drive - Dartmouth, Nova Scotia B3B 1R9 - CANADA / Tel : +1 902 468 2505 / Fax : +1 902 468 4442  
[www.metocean.com](http://www.metocean.com) / [novatech@metocean.com](mailto:novatech@metocean.com)