

# RF-700AR

VHF RADIO LOCATING SYSTEM

Remote head for maximum flexibility

Self-contained Submersible to 7,300m

FCC approved



## NOVATECH - PROVEN THROUGHOUT THE OCEANS

The RF-700AR is a self-contained submersible Radio Beacon designed to assist in the location and recovery of underwater assets and oceanographic equipment.

The RF-700AR is equipped with a remote head and it may be submerged for long periods in ocean depths to 7300 meters (24,000 feet). The activation of the RF-700AR is completely automatic, when submerged below 10 meters it is OFF and at the surface it is ON.

At the surface the beacon transmits a pulsing RF signal for approximately 8 days.

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# NOVATECH RF-700AR

## VHF RADIO LOCATING SYSTEM

### Features

Self-contained, submersible radio beacon with remote head

- Remote head for maximum flexibility
- Submersible to 7,300m
- Detectable from four to eight nautical miles
- FCC approved
- 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) 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). Manual override by rotating knob.
Batteries	4 "C" cell alkaline
Battery Life at 4°C	8 days

#### Transmitter

Output	100 milliwatts, pulse 1 KHz FM
Duty Cycle	Approx. 33%, 2 sec. on, 4 sec. off
Harmonics	-40db minimum
Frequency Range:	Channel A 154.585 MHz Channel B 159.480 MHz Channel C 160.725 MHz Channel D 160.785 MHz
FCC Identification	FOX4ZLRF700AR
Canadian Identification	9084 (Technical Acceptability No.)
Range	4 to 8 nmi
Antenna	Field replaceable 17.25" 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

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