

RF-700A1

VHF RADIO LOCATING SYSTEM

Detectable from up to 8 nautical miles

Self-contained Submersible to 7,300m

FCC approved



NOVATECH - PROVEN THROUGHOUT THE OCEANS

The RF-700A1 is a self-contained Radio Beacon designed to assist in the location and recovery of underwater assets and oceanographic equipment.

It may be submerged for long periods in ocean depths to 7300 meters (24,000 feet).

The activation of the RF-700A1 is completely automatic, when submerged below 10 meters it is OFF and at the surface it is ON.

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NOVATECH RF-700A1

VHF RADIO LOCATING SYSTEM

Features

Self-contained, submersible radio beacon

- 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	FOX4ZLRF700A-1
Canadian Identification	9084 (Technical Acceptability No.)
Range	4 to 8 nmi
Antenna	Field replaceable 17.75" 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)

Options

Low Profile Antenna AN-710 7" flexible antenna suitable for short-term underwater deployments



Data collection and communication experts

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