

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.

MetOcean

21 Thornhill Drive
Dartmouth, Nova Scotia B3B 1R9
CANADA

Tel: +1 902 468-2505

Fax: +1 902 468-4442

www.metocean.com

novatech@metocean.com

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

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