RF-700AR

- VHF radio locating system
- Remote head for maximum flexibility
- Self-contained submersible to 7,300m
- FCC approved

TRACKING & MONITORING

NOVATECH™ products have been proven throughout the world's oceans and trusted around the globe for over 40 years.

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

RF-700AR, designed for long duration deployments, is suitable for operation at depths of 7,300m (24,000 feet). The RF-700AR is activated by a pressure switch which enables the unit to automatically power OFF below 10m and activate upon surfacing.

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

metOcean telematics

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RF-700AR

TECHNICAL SPECIFICATIONS

PHYSICAL

- Diameter: 1.70" (43 mm)
- Height: 18.50" (470 mm)
- Mass in air (with batteries): 1.6 kg (3.6 lb)
- Mass in water (with batteries): 0.95 kg (2.1 lb)

CONSTRUCTION

- Case material: Hard anodized aluminum
- Antenna cap material: 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),
- Batteries: 4 "C" cell alkaline
- Battery Life (at 4°C): 8 days

RF TRANSMITTER

- Ouput: 100 milliwatts, pulse 1 KHz FM
- Duty Cycle: Approx. 33%, 2 sec. on, 4 sec. off
- Harmonics: -40db minimum
- Frequency Range: 154.585, 159.480, 160.725, 160.785 MHz, additional frequency options available
- FCC Certification
- Canada Identification: 9084 (Technical Acceptability No.)
- Range: 4 to 8 nautical miles
- Antenna: Field replaceable 1/4 wave whip with zinc anode
- Low Profile Antenna: 7" flexible antenna suitable for short-term underwater deployments

ENVIRONMENTAL ELEMENTS

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

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