

RF-700C1

- VHF Radio Beacon / Xenon Strobe
- RF Detectable from up to 8 nautical miles
- Visible from up to 4 nautical miles
- Self-contained Surface / Shallow water combo (600m)



TRACKING & MONITORING

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

The NOVATECH™ RF-700C1 is an innovative solution that combines a VHF Radio Beacon, with a Xenon strobe/flasher resulting in a self-contained combo unit designed to assist in the location and recovery of surface assets and oceanographic equipment deployed in shallow waters.

It may be submerged in ocean depths to 600 meters (1968 feet), or fitted with floatation collar/skirt for ocean surface tracking with RF frequencies.

The activation of the RF-700C1 is manual by twisting the lens/antenna cap to complete both electrical circuits.



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telematics

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TECHNICAL SPECIFICATIONS

PHYSICAL

- Diameter: 1.62" (42 mm)
- Height: 17.30" (440 mm)
- Mass (with Batteries) in air: 1.50 kg (3.3 lb)
- Mass (with Batteries) in water: 0.83 lb. (1.84)

CONSTRUCTION

- Hull Material: Hard anodized aluminum
- Cap Material: Polycarbonate and PVC lens cap with integrated antenna coil

POWER

- On/Off Control: Manually activated, tightening cap completes power circuits.
- Batteries: 4 "D" cell alkaline
- Battery Life at 4°C: 8 days

RF TRANSMITTER

- Output: 100 milliwatts, pulse 1 KHz FM
- Duty Cycle: Approx. 33%, 2 sec. on, 4 sec. off
- Harmonics: -40db minimum
- Frequency Range: 154.585 MHz, 159.480 MHz, 160.725 MHz, 160.785 MHz
- FCC Certified
- Canadian Identification: 9084 (Technical Acceptability No.)
- Range: 4 to 8 nmi
- Antenna: Integrated 1/4 wave whip coil

XENON STROBE

- Flash Tube: Replaceable Rated for 20 x 106 flashes
- Flash Rate: Adjustable 10/min. to 40/min ±5% over 3 to 6 volt battery life (factory set at 20/min.)
- Visible Range: Adjustable 2 to 4 nautical mile range (0.2 to 0.6 watt-seconds) ±5% over 3 to 6 volt battery life (factory set at 3 nmi range)
- Effective Intensity: Adjustable 6 to 35 candelas (factory set at 20 candelas)

OPERATIONAL

- Operating Temperatures: -40° to +60°C (-40° to +140°F)
- Maximum Depth: 600 m (1,968 ft)

OPTIONS

- Float Collar (HW-002): Adding positive buoyancy for surface recovery.
- Oil Spill Skirt (OS-200): Nylon skirt with weighted flotation ring, allowing RF-700C1 to drift with oil-spill or ocean currents