

# RF-700C1



2025-05 v1

**NOVATECH™** has been trusted worldwide 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 m (1,968 ft), 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.

- Innovative Radio Beacon/Xenon Strobe combo unit
- RF detectable from up to eight nautical miles
- Flasher visible from up to four nautical miles
- Self-contained surface/shallow water combo (600 m)
- FCC approved



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# RF-700C1 TECHNICAL SPECIFICATIONS

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PHYSICAL	
Diameter	42 mm (1.62")
Height	440 mm (17.3")
Mass in air (with batteries)	1.5 kg (3.3 lb)
Mass in water (with batteries)	0.83 kg (1.84 lb)
CONSTRUCTION	
Hull Material	Hard anodized aluminum
Cap Material	Polycarbonate and PVC lens cap with integrated antenna coil
POWER	
Batteries	4 "D" cell alkaline
Battery Life (at 4°C)	8 days
On/Off Control	Manually activated, tightening cap completes power circuits
OPERATIONAL	
Operating Temperature	-40°C to 60°C (-40°F to 140°F)
Ocean Depth Rating	Approx. 600 m (1,968 ft)
RF TRANSMITTER	
Output	100 milliwatts, pulse 1 KHz FM
Duty Cycle	Approx. 33%, 2 sec. on, 4 sec. off
Harmonics	-40 db minimum
Frequency Range	154.585 MHz, 159.480 MHz, 160.725 MHz, 160.785 MHz
Canadian Identification	9084 (Technical Acceptability No.)
Range	4 to 8 nmi
Antenna	Integrated 1/4 wave whip coil
FCC Certified	
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)
OPTIONS	
Float Collar (HW-002)	Adding positive buoyancy for surface
Oil Spill Skirt (OS-200)	Nylon skirt with weighted flotation ring, allowing RF-700C1 to drift with oil-spill or ocean

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