

LOCALISATION SOUS-MARINE

LRT

- 125Kg SAFE WORKING LOAD
- DEPTH RATED TO 500 METRES
- THOUSANDS OF SECURE IDENTITIES



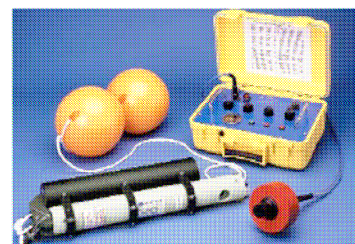
Lightweight Release Transponder (LRT)

The LRT is a combined positioning and acoustic release transponder depth rated to 500 metres



LRT with optional Rope Canister

The LRT Rope Canister is packed with 75m of high strength rope to allow seabed items to be pulled up



Screw-off Release

The LRT features a highly reliable 'screw-off' release mechanism

Lightweight Release Transponder (LRT)

The LRT is similar to an OBC transponder but incorporates an acoustic release mechanism for added flexibility. This allows the transponder to be deployed on the seabed with a sinker weight to hold it down and a buoy to keep it upright. By sending a special command from surface, the transponder releases the sinker weight and floats to the surface for recovery.

The unique design of the 'screw-off' mechanism ensures a positive release action that overcomes any biological growth. Unlike similar low cost release transponders, the LRT has both receive and transmit functions, enabling accurate slant ranges to be measured, release actuation to be confirmed and position to be determined. All external parts are made of high strength plastics that provide excellent corrosion resistance whilst field replaceable alkaline or lithium battery packs give a listening life of 18 or 52 months. As with the OBC transponder, LRTs can be used with any of the Coastal positioning and tracking systems.

LRT Rope Canister

An optional attachment for the LRT is a rope canister that allows items left on the seabed, for example, tools, cables and salvage, to be quickly and easily hauled up. It works by mooring one end of the rope to the item on the seabed and the other end to the LRT via the attached canister of rope. As the transponder ascends to the surface, high strength rope is deployed from the canister. This line can then be used to pull up the item directly or retrieve heavier tag lines.

Technical specifications	
Lightweight Release Transponder (LRT)	
Type Number	
Depth Rating	• 500 metres
Operating Frequency	• Sonardyne HF (35-55KHZ)
Transmit Source Level	• 185 dB 1µPa
Receive Sensitivity	• 110dB re 1µPa@ 1 metre
Number of unique Addresses	• 3609 (field programmable)
Switch On	• Continuously operating (No On/Off switch)
Battery life	• Alkaline: 18 month Lithium: 34 month Long Life Lithium: 52 month
Safe Working Load (at 4:1 ratio)	• 125 Kg
Release Load	• 125 Kg
Breaking Load	• 500Kg
Proof Load	• 250 Kg
Mechanical Construction	• Plastic, Stainless and Anodised Alluminium Alloy
Dimension (L X Dia)	• 490mm (19.3 ») X 63mm (2.48 »)
Weight in Water	• 0.4 Kg
Weight in Air	• 1.75 Kg
Options	• 75 metres or 100 metre rope canister
Deck Unit	• Type 7967-000-02