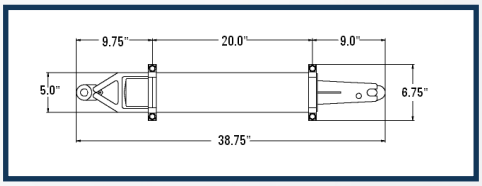
8242XS

ACOUSTIC RELEASE TRANSPONDER

FEATURES

- Release load of 5,500 kg
- Longest history of reliability in the industry
- Nickel Aluminum Bronze alloy construction
- Titanium closure hardware
- Transponder for positioning and recovery
- Several battery configuration options for long life
- Secure command coding
- Options:
  External On/Off
  Extended battery life



The 8242XS Acoustic Release Transponder is a field-proven, reliable, and versatile mooring instrument. The 8242XS is made entirely of Nickel Aluminum Bronze alloy with titanium closure hardware for very long deployments with no corrosion. Acoustic status reply includes tilt and release state. Command structure proven in the toughest acoustic environments anywhere. Many of these releases are over 15 years old and still in use.

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KEY SPECIFICATIONS

MECHANICAL	
Release mechanism	Spring driven rotary type with advantage hook
Release load rating	5,500 kg (12,000 lbs) central axis loading
Lift load rating	5,500 kg (12,000 lbs)
Depth rating	6000 meters (19,700 ft)
Length	94.6 cm (37.2 in) (Standard)
Weight in air	36 kg (79 lbs) (Standard)
Weight in water	28 kg (62 lbs) (Standard)
Exposed materials	Acetal (washers etc) NiAlBz (housing end caps and mechanism) Buna –N (O-rings) Titanium
ELECTRICAL	
Command frequencies	9.3 kHz to 10.7 kHz
Transmit source level	192 dB re 1 uPascal-meter
Command codes	EBACS / BACS commands (ORE Offshore)
Receiver sensitivity	-100 dB re-1uPascal-meter
BATTERY TYPE	**BATTERY LIFE**
Welded Alkaline pack	2 years & 40,000 replies
Replaceable Alkaline	2 years & 100,000 replies or 4 years & 200,000 replies
Replaceable Lithium	4.5 years & 250,000 replies or 9 years & 500,000 replies