Acoustic Release

52x Series Acoustic Release Transponders

- **Low cost (P-Type) Block End Release Transponder (BERT). Offers reliable mechanical release in high biofouling environments.**
- **Reliable FSK acoustic command sequence for security of command in high noise / reverberant environments.**
- **Over 2000 possible command channels (1000 as standard).**
- **Compatible with existing PAM units for range / release. (Simple software upgrade required).**
- **Part of a range of lightweight, medium duty and heavy duty models.**
- **Also operate as standard navigation transponders – compatible with Simrad HiPAP / HPR400 / HPR300, HPR1507 (LF), Sonardyne USBL / ORE TPII (MF & LF).**

TECHNICAL SPECIFICATION

52x Series Release Transponder – three transducer types are available.

- Model 529: 187dB ± 90 degrees
- Model 526: 191dB ± 60 degrees
- Model 523: 195dB ± 30 degrees

Specifications:	**Model 52x P-Type**
Depth Rating:	1000m.
SWL:	250kg.
Release Load:	250kg.
Length:	785mm.
Tube Diameter:	100mm.
Weight in Air/Water:	11/6kg.
Battery Life - Listening	4 months.
- Transmitting	200,000 replies.
- Releases	70.

Above battery life times are based on low cost Alkaline batteries. Longer life options available. (Complete sets of alkaline battery packs are easily obtainable from AAE or Agents).

Options:
- Increased depth ratings
- Higher source levels
- Alternative beam patterns

Models are generally compatible with most USBL systems for range/bearing applications and have field adjustable internal frequency and release identities. Low frequency versions are also available. They have the following two-way communications:-

Status Telemetry For:
- Acknowledge Arm
- Acknowledge Release
- Acknowledge Sleep
- Battery
- Status OK
- Tilt OK
- Tilt X 15 degrees
- Tilt Y 15 degrees
- Motor Turned
- Releasing

Commands For:
- Arm
- Release
- Sleep
- Status Request (3)
- Release Reset
- Anti-Jam

Separate battery packs for Release Motor, Receive/Processor Electronics and Transmitters are utilised to ensure release on command should transmitter batteries become exhausted. In this way extended battery life can also be achieved. Other models also available, consult factory for further information.

Compatibility:

Channels/frequencies	HPR300:	14, transponder/responder.
	HPR400:	14+56, transponder/responder.
	HiPAP:	56, transponder/responder.
	Sonardyne USBL:	14, transponder/responder.
	ORE Trackpoint II:	8, transponder/responder. 5, pinger.
	Emergency Pinger:	37.5 kHz.
	Test Channels:	3.

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