

ACOUSTIC POSITIONING

SEABED TRANSPONDER/ RESPONDER/PINGERS



- Operates instantaneously with most of today's USBL tracking systems
- 3000m depth capability
- Choice of battery and transducer types
- All units operate as Transponder, Responder or Pinger
- Inclinator and Depth Telemetry variants also available
- Ideal as long term reference markers

The 95x series are acoustic beacons designed for use with Simrad HPR300/400, HiPAP, Sonardyne USBL and ORE Trackpoint II/LXT systems. All units are rated up to 3000m operating depth. The transducer is protected by a safety cage which also acts as the tension point if required. The 9500 series are available with a number of transducer and battery options. The bulkhead connector allows operation from a 24v dc supply for large ROV's. **All transmit and receive frequencies (channels) are adjustable via 2 external switches on the base of the unit. NO INTERNAL USER ADJUSTMENTS ARE REQUIRED.**

Four basic types of Seabed Transponder/Responder/Pinger:

- Model 959: 188dB ±90 degrees.
- 956: 192dB ±60 degrees.
- 955: 195dB ±45 degrees.
- 955H: 200dB ±45 degrees (reduced operating life).

UNITS WITH SUFFIX 'INC' INCLUDE INCLINOMETER.

Transponder physical specifications:

Size	125mm diameter x 1000mm long. 125mm diameter x 1200mm long (INC variants). 178mm flange at each end.
Weight	20kg in air, 10kg in water.
Housing Material	Hard Anodised Aluminium.
Depth Rating	1000, 2000 or 3000m.
Tensile Load	250kg.

Electrical specifications:

Frequency Band	MF Rx 16 - 27kHz Tx 27 - 33kHz.
Battery Type	Ni-cad /Alkaline / Lithium packs.
Capacity	5.7 x 3/ 18 x 3 / 13 x 6 Ah.
Operational Life	500 hrs / 1500 hrs / 2250 hrs. (x 7 for Trackpoint).
Listening Life	6 / 48 / 78 months.
Responder Key	HPR Compatible via bulkhead connector.
RX Sensitivity	90dB re 1uPa typical.
Depth Sensors	300m, 500m, 1000m, 2000m and 4000m

Compatibility:

Channels/frequencies	HPR300:	14, transponder/responder.
	HPR400:	14+56, transponder/responder.
	HiPAP:	56, transponder/responder.
	Sonardyne USBL:	14, transponder/responder.
	ORE Trackpoint II:	11, transponder/responder. 5, pinger.
	Emergency Pinger:	37.5 kHz.
	Test Channels:	3.

Options: Floatation collars (usually available off the shelf), Alkaline and Lithium battery packs, chargers and other units in the 900 series. These models are just a part of our comprehensive range of acoustic positioning beacons. Please consult the factory or your local representative for further information.

January 2003



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Due to continual product improvement these specifications may be subject to change without notice.