



## TRANSPONDERS

OCEANO ACOUSTIC RANGE

IXSEA provides transponders for all acoustic tracking systems: LBL, POSIDONIA, GAPS and RAMSES. Available for shallow or deep water, they have extended battery life and are available with integral or remote transducers to suit the application.

### FEATURES

- Full range of products
- option available for user configuration
- Proven technology
- Low power consumption with off-the-shelf batteries

### BENEFITS

- LBL, USBL, releasable and expendable
- Flexible
- Common design across the whole range
- Low maintenance



**APPLICATIONS** • For use with IXSEA's positioning systems • configurations for all subsea vehicles or seabed installation

# OCEANO • OCEANOGRAPHIC ACOUSTIC RELEASES

## TECHNICAL SPECIFICATIONS

**LF:** LOW FREQUENCY BAND 8-16KHZ • POSIDONIA, LBL  
**MF:** MEDIUM FREQUENCY BAND 20-30KHZ • GAPS, RAMSES

LF FREQUENCY RANGE

MF FREQUENCY RANGE



	OCEANO RT 2500 LIGHT	OCEANO RT 2500 Universal	OCEANO RT 2500 DI	OCEANO RT 5000	OCEANO ET 861S	OCEANO ET 861G	OCEANO MT 861S	OCEANO ET 832S	OCEANO MT 832E	OCEANO MT 912S	RAMSES RT 962S
<b>Depth rating</b>	6,000 m	6,000 m	6,000 m	6,000 m	6,000m	6,000m	6,000m	3,000m	3,000m	1,000m	6,000m
<b>Weight air/water</b>	26 / 18	30 / 22	27 / 20	40 / 31	25 / 16	31/16	8/6	25/16	2.7 /1.1	3.9 / 2	26 / 19
<b>Size</b>	725 x 130	830 x 130	757 x 126	908 x 130	782 x 130	470 x 470 x 620	450 x 70	712 x 130	426 x 70	340 x 91	757 x 126
	Releasable transponders (TT801 compatible)					Expandable transponders					Releasable
<b>SWL *</b>	2,500	2,500	2,500	5,000							2,500
<b>RL **</b>	500	2,500	2,500	5,000							2,500
<b>TL ***</b>	5,000	5,000	5,000	10,000							5,000

### COMMON CHARACTERISTICS

**Operating Frequency**  
**Transmit Source level**  
**Receive Sensitivity**  
**Radiation pattern**  
**Signal coding**  
**Housing material**  
**Power source**

#### LF range

8 ~ 16 kHz  
 192dB ± 4 ref 1µPa @ 1m  
 78dB ± 5dB ref 1µPa @ 1m  
 Omni-directional  
 Tone / CHIRP  
 (FSK command coding)  
 Duplex Stainless steel / Aluminium / Glass / Titanium  
 Off-the-shelf batteries (Alkaline / Lithium)

#### MF range

20 ~ 30 kHz  
 191dB ± 4 ref 1µPa @ 1m  
 89dB ± 3dB ref 1µPa @ 1m  
 Omni-directional  
 CHIRP  
 (FSK command coding)

### OPTIONS

- Remote transducer
- Pressure sensor
- Responder mode



Specifications subject to change without notice

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