



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 •



	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
Depth rating	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
Weight air/water	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
Size	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
SWL *	2,500	2,500	2,500	5,000							2,500
RL **	500	2,500	2,500	5,000							2,500
TL ***	5,000	5,000	5,000	10,000							5,000

COMMON CHARACTERISTICS

Operating Frequency	8 ~ 16 kHz	20 ~ 30 kHz
Transmit Source level	192dB ± 4 ref 1µPa @ 1m	191dB ± 4 ref 1µPa @ 1m
Receive Sensitivity	78dB ± 5dB ref 1µPa @ 1m	89dB ± 3dB ref 1µPa @ 1m
Radiation pattern	Omni-directional	Omni-directional
Signal coding	Tone / CHIRP (FSK command coding)	CHIRP (FSK command coding)
Housing material	Duplex Stainless steel / Aluminium / Glass / Titanium	
Power source	Off-the-shelf batteries (Alkaline / Lithium)	

OPTIONS

- Remote transducer
- Pressure sensor
- Responder mode



Specifications subject to change without notice

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