



OCEANO LF - TRANSPONDERS

ACOUSTIC LF - TRANSPONDER RANGE

iXBlue provides a wide range of low frequency (LF) transponders to operate with **RAMSES 6000 (LF)** and **POSIDONIA**. Standard product range includes transponder and responder modes, internal batteries, and recoverable (RT) or expendable (ET) configuration. Optional configurations are available for many applications.

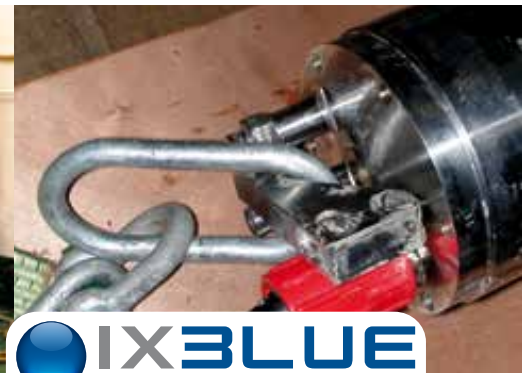
FEATURES

- Full range of products
- Option available for user configuration
- Releasable or expendable
- Low power consumption with off-the-shelf batteries

BENEFITS


- Sparse array or USBL, a product for each application
- High performance, increased flexibility
- For use as autonomous beacons or on subsea vehicles
- Long-term deployment and low maintenance

APPLICATIONS • For use with **iXBlue**'s low frequency positioning systems any time full ocean depth or ultra-long range capability is required • Configuration for all subsea vehicles or seabed installation



OCEANO LF-TRANSPONDERS

TECHNICAL SPECIFICATIONS



Product name	RT 2500 Light	RT 2500 Universal	RTA 2500 Light	RTA 2500 Universal	RT 5000	ET 861G	ET 861S-R	ETA 61S	MT 861S / HD-R	MT 931S / HD-R
Depth rating (m)	6 000	6 000	6 000	6 000	6 000	6 000	6 000	6 000	6 000	3 000
Interrogation mode	Tone	Tone	Tone / WB	Tone / WB	Tone	Tone	Tone	Tone / WB	Tone	Tone
Load characteristics (RL / SWL, tons)	0.5 / 2.5	2.5 / 2.5	0.5 / 2.5	2.5 / 2.5	5 / 5	n/a	n/a	n/a	n/a	n/a
Construction (optional)	Duplex SS (titanium)	Duplex SS (titanium)	Duplex SS (titanium)	Duplex SS (titanium)	Duplex SS	Glass	Duplex SS (titanium)	Duplex SS (titanium)	Duplex SS (titanium)	Stain.steel
Weight (air / water) kg	26 / 18	30 / 22	24 / 17.5	27 / 21	40 / 21	31 / 16 (+)	25 / 16	23 / 16.5	7 / 5	4.5 / 2.5
Size (OD x length) mm	725 x 130	830 x 130	652 x 126	757 x 126	908 x 130	470 x 620	782 x 130	607 x 126	450 x 70	375 x 91
	Recoverable transponders					Expendable transponders				

COMMON FEATURES

Operating frequency	8 - 16 kHz
Sound pressure level	192 ± 4 dB ref. 1µPa @ 1 m
Receiver sensitivity	78 ± 5 dB ref. 1µPa @ 1 m
Radiation pattern	Omni-directional
Signal coding	Transponder mode: Tone/chirp - Command: secure RZ 2-state FSK

PRODUCT DESIGNATION

Product type XX	Series X	Depth X	Frequency X	Load (RL) XX	Construction X	(main) options XX / XX...
AR acoustic release	8 tone interrogation	1 1 000 m	1 LF band	C 500 kg	S stainless steel	R responder plug
RT recoverable transponder	9 miniature beacon	3 3 000 m	2 MF band	B2 2 500 kg	G glass	HD remote hydrophone
ET expendable transponder	A full wideband	6 6 000 m		D 5 000 kg	T titanium	P pressure sensor
MT miniature transponder					E aluminium	DIR directional transducer

Eg: OCEANO RTA61CT / HD-R

Full wideband recoverable (500 kg) transponder, titanium, 6 000 m WD, with remote transducer head and electric plug

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Specifications subject to change without notice.