星天海洋
STARTEST MARINE



Acoustic Transponder

Reception of queries and sound response

Product Overview

Acoustic answering devices are used to receive acoustic queries and to send a response signal.

Acoustic information for positioning systems such as LBL, USBL, etc. The equipment has the characteristics of speed of response, stability of signal, low-efficiency, etc., and can be placed under the sea floor

or installed on underwater mobile platforms.



Quick Response
Receive query signals and respond

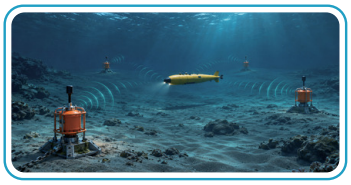
Stabilize low consumption
The signal's stable. It's low.

Flexible deployment
Seafloor sheeting/mobile platform

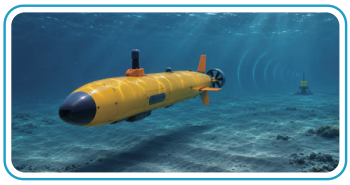
[Technical Specifications]

Model	Light water.	Deepwater.	It's super-deep.
Working Depth	500 m	1000 m	3000 m
Working bands	20–38 kHz	10–20 kHz	6–10 kHz
Sound Source Level	180 dB	190 dB	192 dB
Standby time	12 months	12 months	12 months
Number of responses	50000 times.	50000 times.	50000 times.
Distance precision	Centimetre	Centimetre	Centimetre
Outer size (diameter x length)	Φ6×31 cm	Φ10×40 cm	Φ13×40 cm
Weight	3 kg	6 kg	12 kg
Operating Temperature	-5 to 40°C.	-5 to 40°C.	-5 to 40°C.
Storage Temperature	-20 to 55°C.	-20 to 55°C.	-20 to 55°C.

[Applications]


Long baseline positioning


Super-short baseline positioning


Navigation systems


Marine engineering

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