

Controlled by Super  
Sonic Ocean Bottom  
Seismograph

**TOBS-24N**

**TOKYO SOKUSHIN CO., LTD.**

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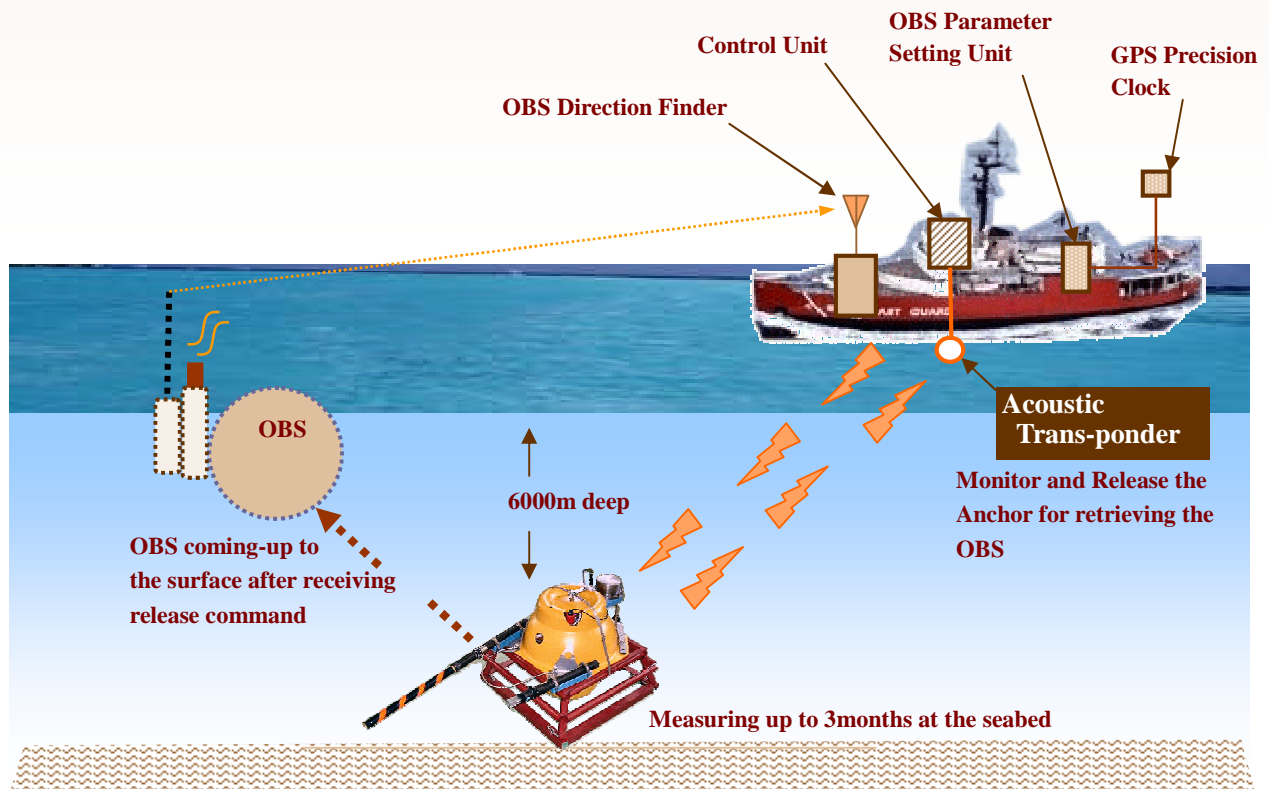
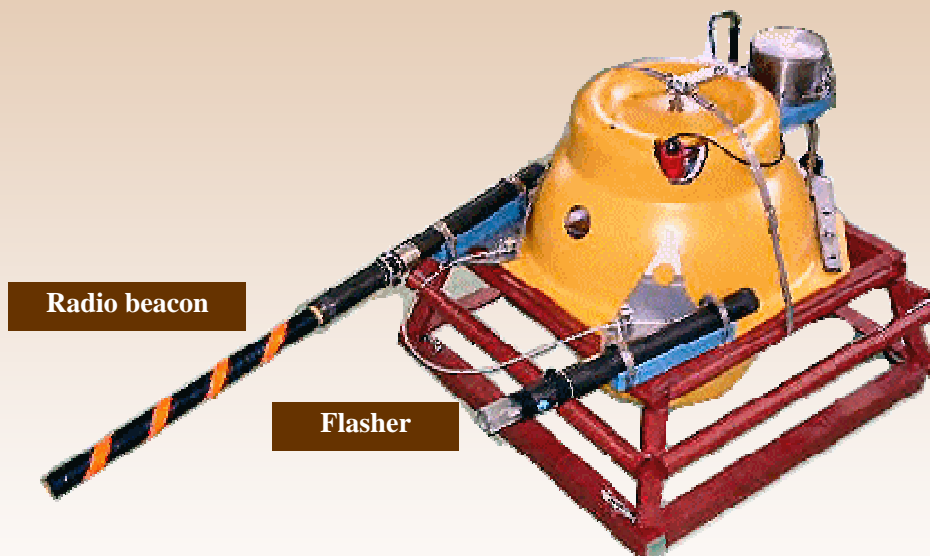
URL <http://www.to-soku.co.jp>

*3 Months Operation*

*at the 6000m deep Seabed*

**24bit: 4CH AD Converter, 40Gbyte H.D.**

**Tri-axial Velocity Sensor and Hydro-phone**



# Specification

## Super Sonic Controlled TOBS-24N

High Pressure Vessel		Radio beacon		
Out-side dimension	43.2cm	Form	A1	
Inner dimension	40.4cm	Power	0.1 to 0.2W	
Maximum pressure	6700m	Frequency	41 to 44MHz	
Hard-hat	55.9cm (W), 48.3cm (H)	Cover range	20km	
Seismometers		Recorder		
Component	Tri-axial	Input CH	4CH	
Function	Velocity	Full scale	±4.2V (0dB)	
Sensibility	0.41V / (cm/s)	Sampling	50, 100, 200, 400Hz	
Resonant frequency	4.5Hz	Resolution	24bit	
Hydro-phone		Triggering	Threshold, Time window, Ext.	
Sensibility	2 to 15kHz (-168dB)1V / μPa	Timing accuracy	±5×10 <sup>-8</sup> / sec.	
&Response	10 to 5kHz (-168 ± 1dB)	Pre-Amp (4ch each)	Gain	0, 20, 40, 60dB
Low Bass			fc: 220Hz, Cut off.18dB / Oct	
Anchor & Stand		Media	40Gbyte Hard Disk	
Dimension	65cm (W), 25cm (H)	Power consumption (DC: 6V~8V)	3mA at Stand-by 80mA at working	
Weight	Approx.35kg	Internal Battery		
Acoustic Trans-ponder		Battery type	Lithium Battery	
Receiver	8.0 to 11.0kHz	Capacity	30Ah	
Channels	3channels	Voltage / Quantity	3.9V / 20batteries	
Transmitter	8.3 to 10.7kHz	Release System of Anchor		
Flash-light		System	Electro-corrosion method	
Light power	0.1joule			
Light source	Arc of xenon			
Light interval	2sec.			

# Onboard Instruments

TMC-8200 GPS Precision  
Clock Calibrator



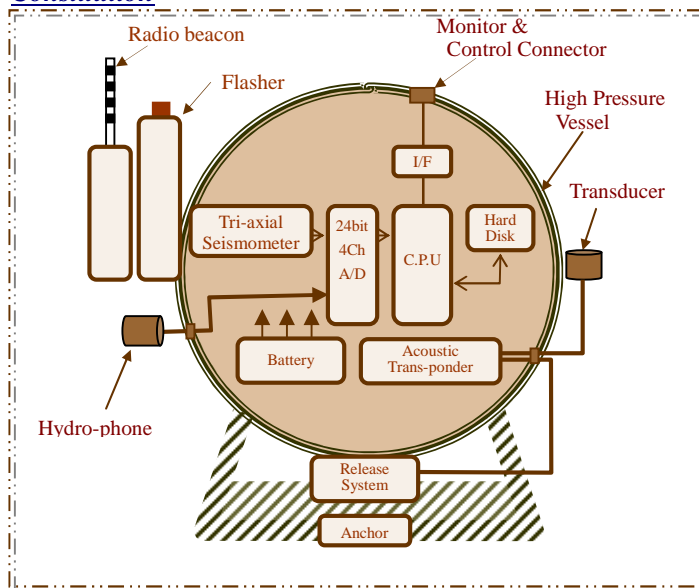
MODEL-LC Control Unit



OBP-02 OBS Parameter  
Setting Unit



### Constitution



The specification may change without notification because of the proved product.