

Broadband Ocean Bottom Seismometer

Wide bandwidth, half power point at 120sec and 100Hz

Yardbird-BB is Broadband Ocean Bottom Seismometer (BB-OBS) which is ideally suited for your long-term deep-water seismic events recording applications. The BB-OBS can provide 4 channels 30bits high precision data, including 3 differential velocity outputs (XYZ) and 1 differential pressure gauge (DPG). A new designed system helps sensor keeping level. To ensure data quality, leveling system will autonomously re-leveling every 7days. Yardbird-BB is also a self-contained low power consumption OBS. The continuous recording duration is up to 10 months.

Features

High resolution, autonomous leveling, long lasting observation time

- Handhold gadgets can set Yardbird-BB sync. With GPS and monitoring real-time data on bard.
- Well-designed frame helps quick and easy to deploy and to retrieve.
- Low power consumption allows Yaedbird-BB for long lasting observation without interruption.
- High accuracy heading / posting sensors and low drifting real-time clock(RTC) provides reliable logging information.
- Study free integrated and data downloading tools.

Technical specifications

Maximum Depth	5,000 m
Channels	4
Sample Rate	100 S/sec
Power Consumption	< 0.5 W
Bandwidth	120 sec ~ 100 Hz(@-3db)
Resolution	30 bits
RTC Drift	< 2 sec/year
Duration	> 10 months
Storage Capacity	64 GB
Release Mechanism	Burn Wire
Leveling Angle	360°
Heading Accuracy	< ±3°
Pitch/Roll Accuracy	< ±1°
Dimensions	200 x 68 x 95 cm(with Anchor) 200 x 68 x 90 cm(w/o Anchor)
Weight	114 kg
Anchor	58 kg
Weight In The Water	42 kg(With Anchor) -16 kg(w/o Anchor)

Appearance

Specifications subject to change without notice.

