

## Broadband Ocean Bottom Seismometer

Bandwidth 40 Hz – 20 s

Yardbird-20s is Broadband Ocean Bottom Seismometer (BB-OBS) which is ideal for long-term deep-water seismic events recording applications. Yardbird-20s provide 4 channels 24bits precision data, including 3 differential velocity outputs (XYZ) and 1 differential pressure gauge (DPG). An active mechanism levels the sensor assembly at programmable Intervals to maintain the best P and S decoupling effect. Yardbird-20s adapts ultra-low-power technology such that with 150 Ah, the system can serve up to 12 months before recovery.

### Features

Active leveling, Low power consumption, Long deployment time

- Handy compact terminal for configuring OBS and synchronizing the onboard RTC with GPS.
- We designed frame for quick and easy deployment and recovery.
- Low power consumption for continuous long term observation.
- Logging of sensor's heading / leveling angles for better seismic analysis.
- User-friendly interface for system setup and data downloading.

### Technical specifications

Maximum Depth	5,000 m
Channels	4
Sampling Rate	100 SPS
Power Consumption	< 0.5 W
Bandwidth	20 sec ~ 40 Hz(@-3db)
Resolution	24 bits
RTC Drift	< 2 sec/year
Deployment Duration	> 12 months
Data Storage	32 GB
Release Mechanism	Burn Wire
Leveling Angle	360°
Heading Accuracy	N/A
Pitch/Roll Accuracy	< ±1°
Dimensions	200 x 68 x 95 cm
Weight	114 kg
Anchor	58 kg
Weight In The Water	42 kg(With Anchor) -16 kg(w/o Anchor)

Specifications subject to change without notice.

