

REMOTE HYDROGRAPHIC SURVEY BOAT

**MAXIMIZE SHALLOW HYDROGRAPHIC SURVEY EFFICIENCY**

The Oceanscience Z-Boats offer a completely new option for shallow water hydrographic surveying. The Z-Boat system is a turnkey survey package, including GPS and echo sounder, remote control electronics, and an integrated data telemetry system. Remote control of the survey boat is easy using GPS position and heading available in real time on the shore laptop. A high power remote control system offers up to 1km range, with a survey endurance of over 8 miles on a single battery pack. For surveys in fast moving rivers, a dual outdrive version is available with a maximum speed of over 10 kts (5 m/s).

Z-BOAT 1800

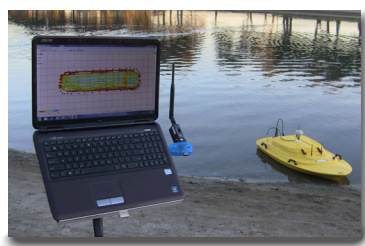
The standard Z-Boat 1800 comes fully equipped with a meter-level accuracy GNSS antenna and robust depth sounder installed. Designed as a total system available “off the shelf”, the Z-Boat 1800 is unmatched in convenience and value. A high power built-in Bluetooth radio communication system transmits all survey data to the shore laptop and an easy-to-use software package is available to display background maps, plan survey routes, manage gathering of survey data, and produce contour and 3D maps.

Z-BOAT 1800S

For more exacting survey requirements, the Z-Boat 1800S may be specified to individual customer requirements. The boat may be purchased with the desired depth sounder pre-installed, or supplied ready to accept existing equipment in the user’s survey pool. Similarly, customized cabling can be included allowing the boat to accept existing GPS, GNSS and RTK positioning systems. For a turnkey survey-grade system, the Z-Boat 1800S is offered with the Seafloor Systems SonarM8 echo sounder and Hemisphere A-100 submeter GPS.

SAVE TIME AND MONEY

The Z-Boats are compatible with hydrographic data acquisition software such as HYPACK or HYDROpro, and uses the standard NMEA data format for data transmission. An Oceanscience Z-Boat can be easily added to the surveyors toolkit without substantial training or setup costs.



ONLINE VIEWERS

CLICK IMAGES FOR VIDEO

Z-BOAT 1800 SPECIFICATIONS

	Z-BOAT SPECIFICATIONS	
	1800	1800 High speed
Typical Survey Speed	3 kts (1.5 m/s)	4 kts (2 m/s)
Top Speed	4 kts (2 m/s)	10 kts (5 m/s)
Hull Length	180 cm	180 cm
Hull Width	90 cm	90 cm
Battery Endurance - Top Speed	70 min.	45 min.
Battery Endurance - Cruising Speed	140 min.	160 min.
Payload	40 lbs	30 lbs
Power	12V NiMH Packs (1)	24V NiMH Packs (3)
Motor	Brushed DC outdrive (1)	Brushless DC outdrive (2)
Hull Material	UV Resistant ABS	UV Resistant ABS
Weight	23 kg	24kg
Hardware	Stainless Steel	Stainless Steel
R/C Control	Hitec with on-board telemetry	Hitec with on-board telemetry
Remote Antenna	Omni Directional	Omni Directional
Remote Range	1000 m	1000 m
GPS	NovAtel Smart V1G Hemisphere A100 Customer specified	NovAtel Smart V1G Hemisphere A100 Customer specified
Depth Sounder	Airmar Smart transducer Seafloor Systems SonarM8 Customer specified	Airmar Smart transducer Seafloor Systems SonarM8 Customer specified
Communications	Bluetooth radio modem or 900MHz spread spectrum radio modem	Bluetooth radio modem or 900MHz spread spectrum radio modem
Depth Sounder Transducer	Through hull mount	Through hull mount

WARRANTY

One year on all Z-Boat 1800 components.

CONTACT INFORMATION

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