Teledyne Oceanscience

Z-Boat 1800

Remotely-Operated Autonomous Hydrographic Survey Boat

Maximize Hydrographic Survey Efficiency

The Teledyne Oceanscience Z-Boat[™] is an entirely new option for shallow water hydrographic surveying. Get bathymetry data where conventional methods are not practical or safe; avoid mobilizing a workboat or conducting hazardous and time-consuming wading measurements. The Z-Boat[™] uses advanced radio telemetry to offer remotely-operated hydrographic surveys with all data transmitted to the shore in real time, giving the operator total control over the survey process. Navigation of the Z-Boat[™] is easy using the GNSS position and heading available on the shore laptop, using standard software such as HYPACK[®] or Hydromagic. Resistant to corrosion from aggressive water, the Z-Boat[™] is ideal for industrial water management applications such as mine tailings ponds. Choose between standard and high-speed propulsion options depending upon the survey environment.

Autonomous Waypoint Navigation for Long Range Surveying

A fully autonomous waypoint navigation drone upgrade module is available to offer laser-straight survey lines and precise positioning for large area or repeating surveys.





PRODUCT FEATURES

- Easy to operate
- Optional autonomous operation with on-board datalogging
- Existing GNSS equipment can be used
- Up to 5m/s (16fps) performance for fast river x-sections
- Compatible with all hydrographic data acquisition packages
- Odom CV100 echosounder for singlebeam surveys
- Odom MB1 compact multibeam echosounder capability
- Tritech StarFish side scan sonar for search and recovery
- Customizable for other sonar or instrumentation payloads
- Portable; under 80lbs. (typical configuration)
 - **TELEDYNE** OCEANSCIENCE Everywhere**you**look[™]

A Teledyne Marine Company

Z-Boat 1800

Remote Hydrographic Suvey Boat

gth th f Base Boat erial Boat 1800™ Boat 1800™ High Speed on Remote Control Unit on Remote Control Unit Frequency on Remote Control Unit Frequency on Remote Control Unit Frequency on Remote Control Range emetry Range - Bluetooth emetry Range - Bluetooth emetry Range - 900 MHz Hydrolink emetry Range - 900 MHz Hydrolink emetry Range - 5.8GHz Ethernet urvey Speed d: Z-Boat™ 1800 d: Z-Boat™ 1800 ack: Z-Boat™ 1800	180cm (5.9 ft.) 90cm (2.95 ft.) 30kg (66 lbs.) 30kg (66 lbs.) UV-Resistant ABS Single-Brushed DC Outdrive Dual Brushless 24V DC Outdrives Hitec with Vessel Telemetry 2.4GHz FHSS 1200m 600m >2000m Up to 1500m 3-4 kts (1.5-2.0m/s) 4 kts (2m/s) 10 kts (5m/s)
on Remote Control Unit on Remote Control Unit Frequency on Remote Control Range emetry Range - Bluetooth emetry Range - 900 MHz Hydrolink emetry Range - 5.8GHz Ethernet urvey Speed d: Z-Boat™ 1800 d: Z-Boat™ 1800HS ndurance: Z-Boat™ 1800 ack: Z-Boat™ 1800	Hitec with Vessel Telemetry 2.4GHz FHSS 1200m 600m >2000m Up to 1500m 3-4 kts (1.5-2.0m/s) 4 kts (2m/s) 10 kts (5m/s)
urvey Speed d: Z-Boat™ 1800 d: Z-Boat™ 1800HS ndurance: Z-Boat™ 1800 ack: Z-Boat™ 1800	3-4 kts (1.5-2.0m/s) 4 kts (2m/s) 10 kts (5m/s)
ndurance: Z-Boat™ 1800HS ack: Z-Boat™ 1800HS	Up to 150 minutes 1 x 12V 10Ah Up to 240 minutes 3 x 24V 30Ah
r-owned (RTK) GNSS ng receiver pand GNSS 'K base & rover	Contact us for cabling price to use existing unit Hemisphere V102 / V104 Hemisphere A325 Hemisphere S320
:urer y Range	MSubs Ltd (UK) Up to 4000m Proprietary "Z-Boat Control" package
am 200kHz am 200kHz juency singlebeam 33/200kHz n 450kHz or 990kHz m echosounder napping	Teledyne Odom CV100 Airmar "Smart" Transducer SS510 Teledyne Odom CV100 DF Tritech StarFish Odom MB1 or R2Sonic 2020 BioSonics MX
ality monitoring orrection orofiling	YSI 6600 multiparameter sonde / Hanna 9829 probe Ethernet HD camera Advanced Navigation Micro MRU Teledyne RD Instruments Rio Grande, RiverRay, RiverPro, StreamPro Sontek M9 / S5 Linkquest ADCP
	Specifications subject to change without noti ©2015 Teledyne Oceanscience All rights reserved. March 20
	DYNE NSCIENCE

www.oceanscience.com

Tel. +1-760-754-2400 • Fax +1-760-754-2485 • E-mail: oceanscience.sales@teledyne.com