



Frontier of Underwater Technology

DSME UTech

**Remotely Operated Surface Vehicle -
ADCP Equipped [SB-100A]**

Features

- ADCP(Acoustic Doppler Current Profiler) Survey Vehicle
- Remotely Operated Boat
- Wireless Data Communication System
- Very Stable
- Easy to Operate

Applications

- Fast & Precise ADCP Survey
Over River, Lake and Dam



CETRAX SYSTEMS LTD.

Hilton Fold, Peterculter, Aberdeen, AB14 0LT, UK

web: www.cetrax.com

email: info@cetrax.com

SPECIFICATIONS

Hull Propulsion System

[Surface Hull]

- Material : Fiberglass Reinforced Plastics
- Size : 1830 × 600 × 330 (mm)
- Weight : 50 kg include Power Pack
- Control Range : 1.5 km
- GPS(Optional DGPS)
- 12 VDC Motor Controller
- Top Speed : 2.0 m/s

[Wireless Communication]

- Network Based Serial Device Server
- IEEE 802.11 g 2.4 GHz wireless LAN protocol
- Omni Directional Antenna
- Data (ADCP & GPS) Communication
Range to Deck Control Unit : Up to 1 km

Remote Controller

- 30 Model Operation Memory
- Advanced Digital Trims
- Multi-Line Graphical Display
- Programmable Multi-Point Curve Mixing
- Programmable Trainer Function
- Changeable RF Module
- Switch Assignability

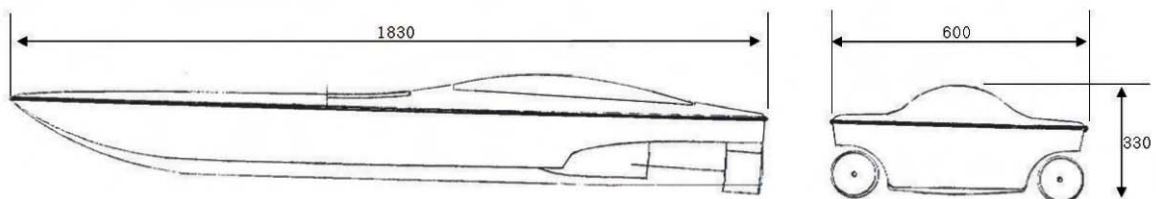
Deck Control Unit

- Size : 490 × 380 × 185 (mm)
- Weight : 13 kg
- Weather-Tight Portable PC System
- Monitor : High Luminance Color LCD 15" Fitted
- USB, LAN Interface
- Power : 24 VDC, 100 W Max.
- Battery Pack : 24 VDC, 26 Ah

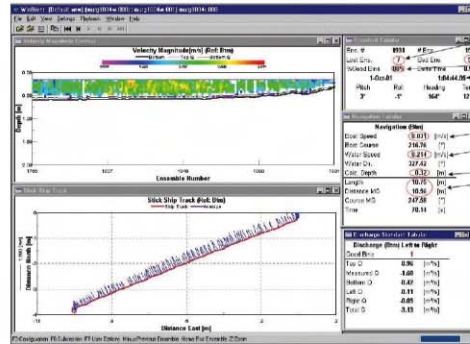
[Wireless Communication]

- IEEE 802.11 g 2.4 GHz wireless LAN protocol
- Omni Directional Antenna

DRAWING



SAMPLE IMAGES



Data Acquisition



Operating View



Operating View