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ROBUST®

(a complete range of Civil Surveying Products...)

ASI

ROBUST®
Surveying Instruments



Unmanned Surface Vehicle

SDE

Tboat20-G Dual Frequency
Bathymetric Survey

(a complete range of Civil Surveying Products...)
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Portable Dual Frequency Echo Sounder

SDE is the latest echo sounder product. With abundant project experiences, SDE is an innovated echo sounder for hydrographic surveyors. SDE is that one for the professional hydro surveyors who are looking forward to.

SDE can apply in marine survey, fluid mud area survey, topographic survey and sea-route survey etc.



Rugged Build

Rugged 316L material metal hull, stable IP67 design



Wireless connections

Tablet WIFI connect with echo sounder, bluetooth connect with GNSS receiver.



Survey Software Support

Professional Windows hydrographic survey program, support standard GNSS receiver format



Built-in Web UI

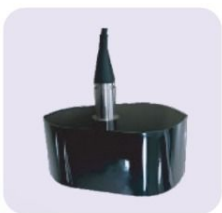
Built-in operated web UI, simple for users' configuration



Lightweight Deployment

The host of Series 19 echo sounder is lightweight, compact, and deployable on USV.

Multiple transducers



Dual frequency
transducer



Single frequency
transducer 1



Single frequency
transducer 2

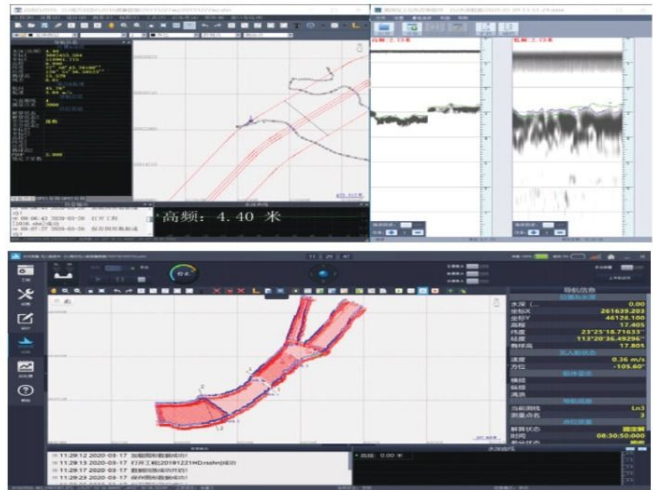
SED

Portable Dual Frequency Echo Sounder

Web UI configuration



Web UI configuration



The SDE supports WiFi connection for smart device access the built-in Web UI pages, and we can easily configure the parameters of SDE , and view the water depth realtime.

Clients can select our easy used survey software for Windows OS or for Windows OS tablet

SPECIFICATION

SDE	
Frequency	200k Hz and 20K Hz standard
Measure range	200k Hz: 0.3-200m
Beam angle	20k Hz: 0.5-600m
Power supply	DC 12V
Interface	3* RS232, 1* RS485, 1 power supply interface, 1 transducer port and 1 LAN port
WiFi	Build-in WiFi unit, support webUI login and data transmission
IP level	IP67

Operating temperature -45°C-60°C

Hull material	316L stainless steel
Transducer size	250mm×147mm×110mm
Host size	220mm×210mm×70mm
Host weight	3.0KG
Accuracy	200 kHz: $\pm 1\text{cm} \pm 0.1\%D$ (D is the depth value) 20 kHz: $\pm 10\text{cm} \pm 0.1\%D$ (D is the depth value)

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Manufacturers may update parameters at any time, please refer to the latest product information.

