SDE-19

Portable Dual Frequency Echo Sounder

SDE-19 is SOUTH latest echo sounder product. With abundant project experiences, SDE-19 is an innovated echo sounder for hydrographic surveyors. SOUTH knows deeply that echo sounder needs to be rugged and also portable, SDE-19 is that one for the professional hydro surveyors who are looking forward to.
SDE-19 can apply in marine survey, fluid mud area survey, topographic survey and sea-route survey etc.

metal shell

IP67

Strong anti-interference

Multi-faceted cooling

Web UI integration

SOUTH
Target your success

- ***Rugged 316L meterial metal hull,stable IP67 design***
- ***Wireless connections: Tablet WIFI connect with echo sounder, bluetooth connect with GNSS receiver.***
- ***Professional Windows hydrographic survey program, support standard GNSS receiver format***
- ***Built-in operated web UI, simple for users'configuration***
- ***The host of Series 19 echo sounder is lightweight, compact, and deployable on USV.***

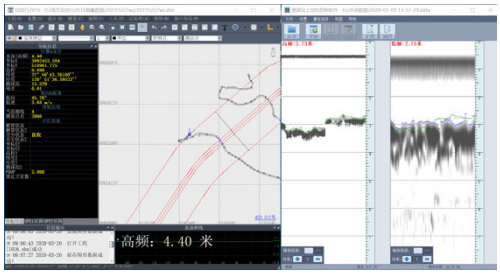
Features

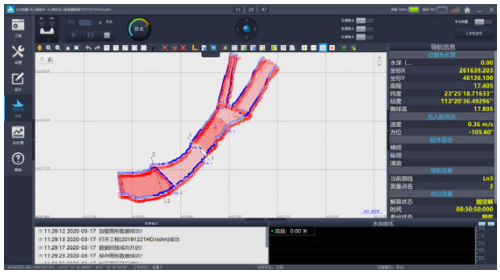
Web UI configuration

The SDE-19 supports WiFi connection for smart device access the built-in Web UI pages, and we can easily configure the parameters of SDE-19, and view the water depth realtime.

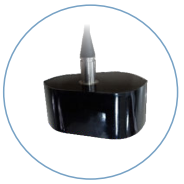
Optional survey software

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





Multiple transducers



Dual frequency transducer

Single frequency transducer 1

Single frequency transducer 2

Specification

	SDE-19S	SDE-19D
Frequency	200K Hz	200k Hz and 20K Hz standard
Measure range	0.3m- 200m	200k Hz: 0.3-200m
Beam angle	200k Hz: 7 degree	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	254mm×124mm×45mm	250mm×147mm×110mm
Host size	220mm×210mm×70mm	
Host weight	2.9KG	3.0KG
Accuracy	200 kHz: ±1cm±0.1%D (D is the depth value)	200 kHz: ±1cm±0.1%D (D is the depth value) 20 kHz: ±10cm±0.1%D (D is the depth value)

Application

High-precision water bottom topograpuic survey in river, lake, or sea.
Also apply in some marine constructed project

SOUTH
Target your success

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