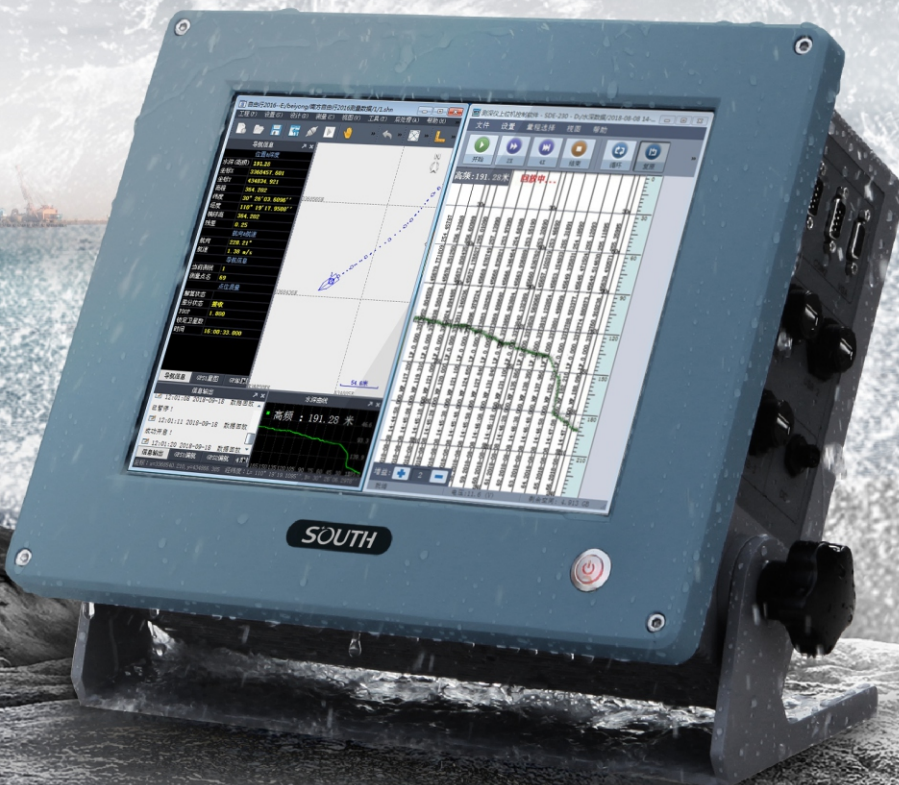


SDE-230

Echosounder

SANDING
EVERY POINT MATTERS



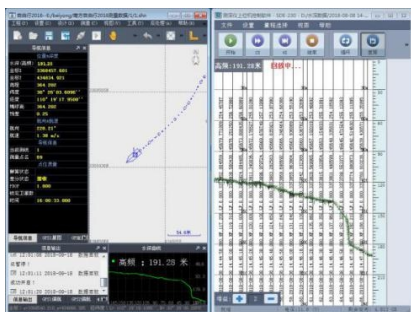
- New low-power industrial control platform, stable, safe and reliable
- High-speed DSP chip processing technology to ensure reliable waveform and water depth values
- With C drive write protection, D drive one-key restore function, the system is more secure
- High-definition LED LCD screen and five-wire resistive touch screen for easier operation
- Full metal casing, integrated molding, multi-face heat dissipation, more firm, beautiful and reliable
- New software, measurement and navigation, data acquisition, playback, post-processing full-featured integration
- The software automatically controls the pulse width, gain, power and gear, with brief interface and simple operation
- Temporal and spatial dual filtering algorithm and unique bubble filtering method, suitable for more complex waters

SDE-230 is a new generation of high-accuracy digital depth echosounder. It has a full metal casing design and is waterproof and shockproof. The newest high-speed industrial control motherboard and streamlined custom Windows XPE system form a stable operating platform, with more powerful sounding capabilities. It can be connected to all GNSS receivers to achieve long-term continuous and stable operation. The smarter and more professional conductors and sounding software are integrated inside. With data acquisition, measurement navigation and data post-processing, it is the first choice equipment for water depth survey, hydrological survey, dredging detection and other projects.



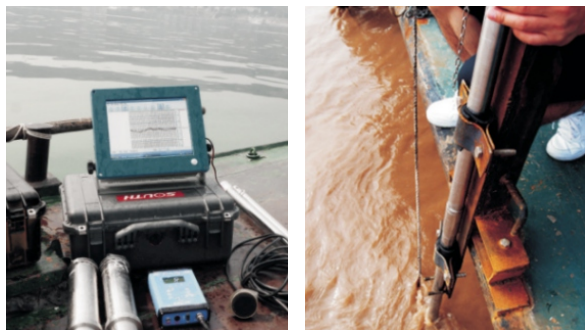
Equipped with professional software

The instrument is equipped with professional navigation and surveying software, which can connect to most major domestic and international navigation and surveying GPS devices, as well as electronic compasses, to complete aquatic measurements. The software features functions such as surveying, navigation, positioning, mapping, route planning, data storage, and post-processing. With a full Chinese interface, it offers user-friendly operation, comprehensive functionality, and robust stability. Its operational closely aligns with actual user workflows, making it the preferred software for applications including marine bathymetry surveying, river channel mapping, engineering exploration positioning, port pilotage, geophysical drilling, and seismic survey stakeout.



Application Areas

High-precision bathymetric surveys in fields such as rivers, lakes, and seas, as well as port and waterway bathymetric surveys and dredging engineering surveys.



Specification

Functional Configuration	Detailed Specifications
Language	Chinese, English
Frequency	200KHz
Beam Angle	5°
Depth Range	0.3-600m
Output Power	Up to 300W
Ping Rate	Adjustable, up to 14Hz (can support 30Hz)
Depth Resolution	1cm
Accuracy	0.01m±0.1% D (D is the water depth value)
Working Range	8m、15 m、30 m、60 m、120 m、240 m、300 m
Draft	0.0m-9.9 m
Sound Velocity	1300m/s-2000m/s
Display Unit	Meters, Inch
Power Supply	10-36V DC ; 110V-260V, 50-60Hz AC
Operating System	Windows 7
Software	HYSurvey
CPU Frequency	1.6Hz dual core
Internal Memory	2G DDR3 800MHz
Memory Capacity	32G high-speed solid-state hard disk, optional higher capacity
Display	12.1-inch LCD screen
Screen Resolution	1024×768
Transducer	5° beam angle, standard 15m cable (customizable length), 2m metal connecting rod
I/O Interface	2 RS232 serial ports, 3 USB2.0 ports, 1 VGA port, 1 transducer port, 1 DC power port
Environmental	-30 ° C-60 ° C, humidity 5-90%, waterproof and shockproof
Dimension	340mm×280mm×130 mm
Weight	About 6.7kg

* Due to product upgrades and updates, the product appearance and specifications are subject to change. The content of this brochure is for reference only.

SANDING
EVERY POINT MATTERS

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