SPECIFICATIONS

Measurements

Frequency
200 kHz
Beam Angle
7
Depth Resolution
0.1ft/0.01m
Accuracy
±1cm±0.1 D (0.1% of depth value)
Ping Rate
14Hz, Maximum 30Hz
Sound Velocity
1300-1700m/s, resolution is 1m/s
Depth Range
0.3-300m/900ft
Draft
0-9.9m
Gain Control
AGC and TVG, depth and gain, a double door tracking
Output data format
SOUTH, SDH-13D, DES025, INN455, ODOM etc

Physical

Environmental
-30 ~+60 non-condensing
Output Power
Up to 300 watts
Power Supply
9-15V DC, less than 25w,
110~265V AC (optional),
Dimension
35cm 29cm 14cm
Weight
7.5kg

Hardware part

Embedded system index
CPU frequency 1.6GHz
Internal memory 2G
Memory capacity 8G high-speed CF card
(supports extended storage)
I/O interface
2 USB
2 RS232
1 VGA interface
Display Panel Layout
12.1-inch color LCD
Touch screen
Embedded windows XP OS
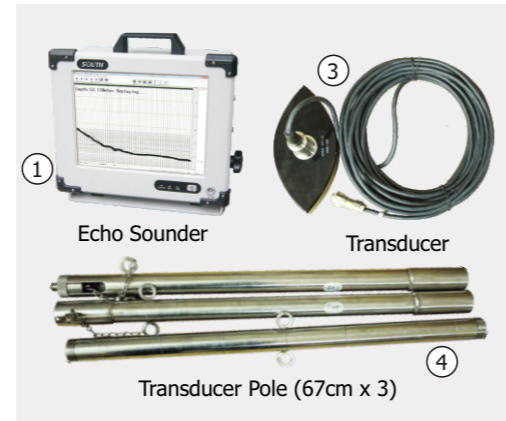Power ON/OFF
Interface protection
Separate Panel Overlay for
    Keyboard
    Mouse

Remarks

Measurement accuracy and operation range might vary due to atmospheric conditions, signal multipath, obstructions, observation time, temperature, signal geometry and number of tracked satellites. Specifications subject to change without prior notice.

Echo Sounder   Transducer

Transducer Pole (67cm x 3)

GNSS

SDE-28S+
Dual Frequency Digital Echo Sounder

STANDARD CONFIGURATION

1. Echo Sounder SDE-28S+		1pc
2. Carrying Case (for echo sounder)		1pc
3. 200KHz Transducer		1pc
4. Transducer Pole		1pc
5. Carrying Case for Transducer		1pc
6. Double RS-232 Communication Cable		1pc
7. 220V External Power Supply Cable		1pc
8. 220V External Power Supply Cable Adapter		1pc
9. 12V External Power Supply Transfer Cable		1pc
10. Keyboard (USB)		1pc
11. Mouse (USB)		1pc
12. Adapter Cable for Mouse & Keyboard		1pc
13. Pen Drive		1pc
14. SDE-28S+ Software		on board
15. PowerNav Software (with dongle key⑮)		on board

Dealer info

Target your success

KEY FEATURES

ÿ Embedded WindowsXP operating system, user-friendly interface

Integrated with both computer and echo sounder at industrial level, yet low power consumption

Full aluminum housing, compact and handy, particularly designed for less-than-ideal circumstances

High-speed DSP chip processing technology to ensure reliable waveforms and depth values

Supports NMEA-0183 communication to gain orientation information

High compatibility, flexible to connect different GPS devices

Built-in flash memory upgradeable to larger capacity for diverse demands

12.1-inch color LCD featuring a wide viewing angle and adjustable brightness

Automatic storage of depth data up to 24 hours, supports replay

USER INTERFACES

to connect with keypad & mouse

to connect with external monitor

to connect with GPS devices

to connect with mouse / keypad / pen drive / dongle key

12V DC or 220V AC via adapter

Transducer

ONBOARD SOFTWARE

**SDE-28S+ (for depth measurements)**

Real-time vivid display of graphic and data, easy approach to underwater waves

Integrated sound velocity calculation for more accurate results

Smart alarm for shallow water and "No echo" tracking to secure hydrographic operations

Real-time display of the water depth value

tracking lines, easy to be compared with underwater waves

Automatic measurements and switch,

Intelligent operation, easy to use

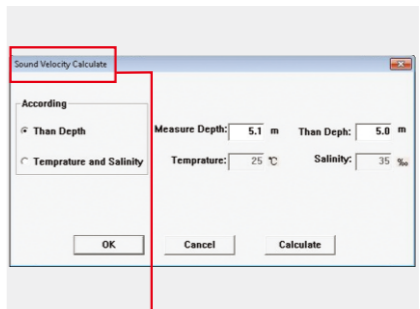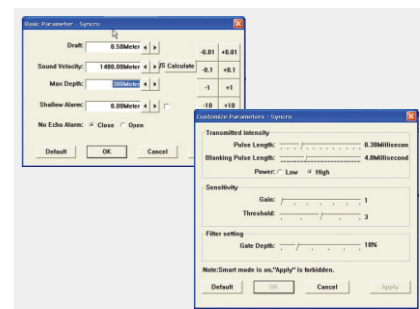Optional output formats and convenient
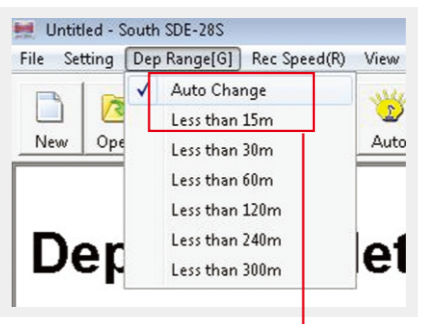
Auto Change Of Depth Range
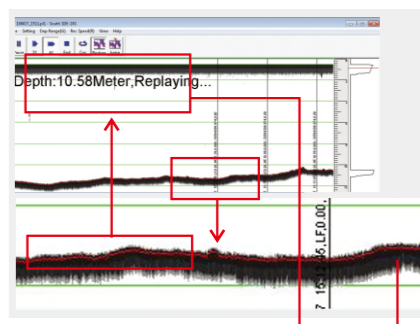
Real-time display of water depth data
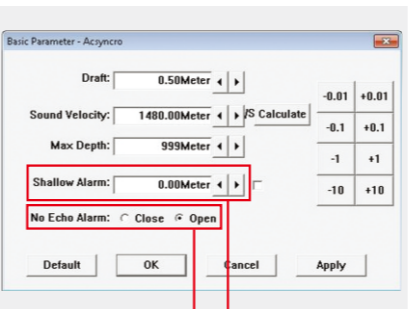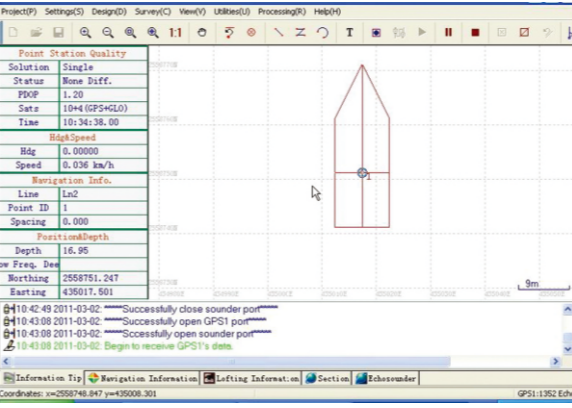
"No Echo" Alarm   Shallow-water Alarm

Sound Velocity Calculation

Basic and Customized Parameter Settings

PowerNav

PowerNav (for navigation purpose)

New software kernel, faster processing and more stable

Professional Engineering map sheet and data management, wizard-style parameter setting

High compatibility, flexible to import graphs and data, connectible to all GPS devices and echo sounders

Modular designed, meets diverse needs of hydrographic engineering projects

Direct graphical navigation window box, auto voice prompt for yaw

Intelligent scheme line model, available for fast drawing of waterway, Area, arc, etc.

Customized formats for data export edit, easy to export To all Mapping software
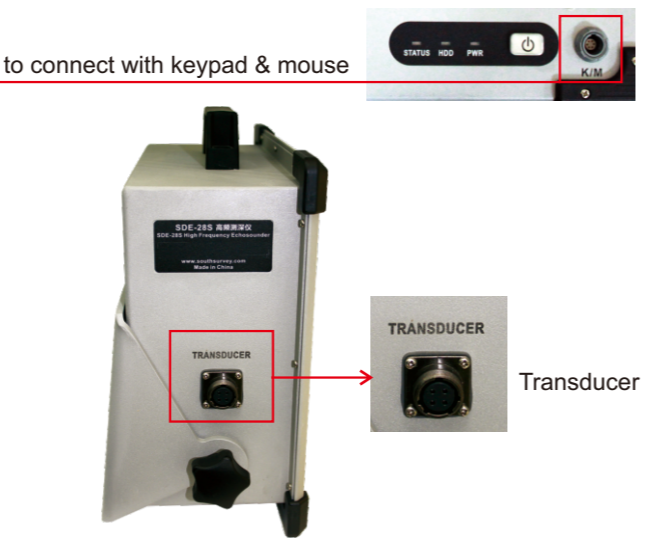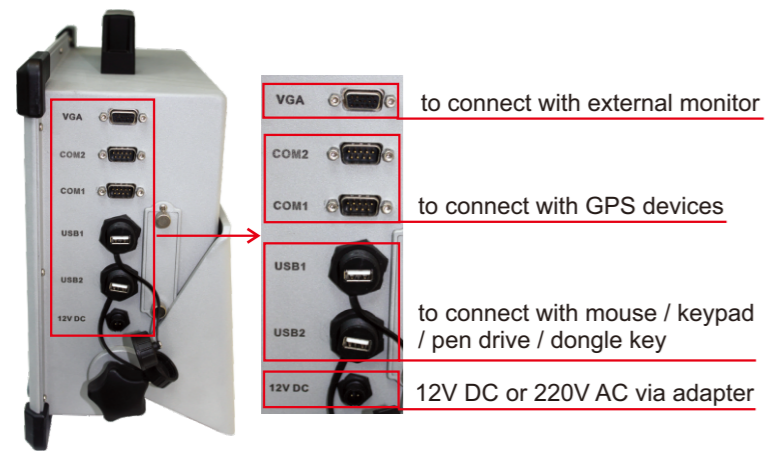
APPLICATIONS

Coastland, fairway depth measurements

Freshwater, lake, reservoir depth measurements

Dredging engineering measurements

Integrated automated depth measurement (navigation measurement software required)

Positioning navigation terminal (compatible to all GPS models with NMEA-0183 data exported) for dredging engineering projects

RTK receiver

SBAS receiver

PowerNav

SDE-28S+

Beacon receiver

Other GPS devices

A Variety of Solutions for Different Hydrographic Projects
(Note: different accuracy levels result from working with different GPS receivers.)