

SUL811 Portable Ultrasonic Sounder

FEATURES

- Ultrasonic water depth can only work in water, not in air.
- When working in seawater, the salinity value should be input in the corresponding menu.
- The transmitting power cannot be set too high or too small, otherwise it will not work normally.
- There are blind areas in all ultrasonic depth meters, and the values displayed in the blind area are random values.



OVERVIEW

SUL811 ultrasonic water depth detector is a sounding instrument for measuring reservoirs, lakes, rivers, shallow water and other water. When sounding, the ultrasonic transducer is placed on the water surface or at a certain position in the water. The current water depth can be automatically calculated by using the ultrasonic propagation principle in the water. The instrument adopts international advanced technology and has perfect functions of bathymetric survey, control, data transmission and man-machine communication. It is a bathymetric instrument which integrates ultrasonic transceiver sensor, servo circuit, temperature compensation sensor and compensation circuit unit, display, control signal output and serial data or analog output unit (optional). It has the characteristics of less maintenance, high reliability, long life, easy to use, simple operation and accurate measurement, so it is widely used in hydrological survey, hydropower plant, reservoir area, shallow sea, lake, river channel survey and environmental water area monitoring.

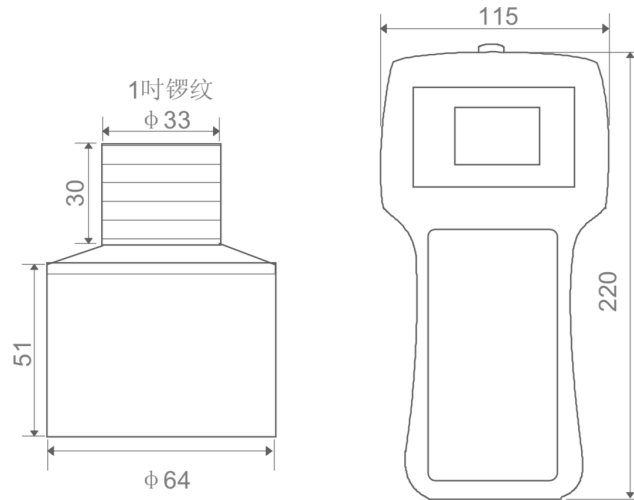
SPECIFICATION

Maximum range	100m (optional 50m, 200m, 300m)
Non-detection zone	≤ 800mm (according to different ranges)
Draft	Recommended draft ≥ 500mm
Accuracy	±0.5%F-S
Output signal	4 ~ 20mA, RS485, or customized
Display resolution	Min=1mm, Max=10cm
Display mode	Multi information LCD display + blue backlight, 4-digit water depth
Working power supply	Built in rechargeable 12V lithium battery with special charger
Display mode	LCD displays the current liquid level, instantaneous flow, cumulative flow
Working temperature	Sensor 0 ~ 40 ° C; instrument - 10 ° C ~ 50 ° C
Entry cable	Sensor lead 10m, instrument standard socket
Application media	Fresh water and sea water (to be determined when ordering)
Protection level	Sensor IP68, instrument not protected

MODEL TYPE

SUL811A	SUL811B	SUL811C
<p>Modular instrument design, DC24 V power supply, multiple control signals optional, suitable for embedded fixed installation projects.</p>	<p>The instrument is hand-held, large screen, Chinese and English switchable display, built-in lithium battery power supply, analog quantity + serial communication interface, built-in data storage card, which is applied to portable bathymetric survey.</p>	<p>Dual frequency sonar is widely used in ocean navigation and military bathymetry.</p>

DIMENSION



COMPONENTS



Hand-held instrument
built-in lithium battery



Probe
standard cable 10 meters



Dedicated charger



Aluminum alloy portable
protective case

APPLICATION

