

# Digital Echo Sounder

**Model: DF-6908S**

**Approved by the China Classification Society(CCS)**



## Features

- ▶ High-contrast 8-inch color LCD display, 1024x600 high resolution.
- ▶ Suitable for International & domestic seagoer&inland ship.
- ▶ Adopt High precision digital signal processing technology(DSP).
- ▶ Detect 0.2m ultra-low water level.
- ▶ Built in large capacity memory, with the function of storing and replaying water depth data; The echo data can be adjusted during playback (range, gain, color can be adjusted).
- ▶ Multiple protection: over voltage protection, over current protection, reverse connection protection.
- ▶ Built in WiFi module.
- ▶ Automatic function permits unattended adjustment of range. The range scale automatically change to display the bottom.
- ▶ NMEA0183 input/output.
- ▶ Support SD card and USB upgrade.
- ▶ Support to connect printer.

# Specifications

Display Unit	DF-6908S
Size	8 inch
Resolution	1024X600
Voltage Range	DC 12V~36V
Brightness	500cd/m <sup>2</sup>
Voltage Detection	Voltage detection function
Power Protection	Over voltage protection, over current protection and reverse connection protection
NMEA 0183	One input, one output and one alarm interface
Upgrade Mode	USB, SD
Echo Sounder	
Transmission Power	600W
Transmission Frequency	200KHz
Transmission Firing Times	60 times/second at maximum
Transmission Pulse Width	50us~3ms
Basic Range	0~500m, 0~500fm, 0~2000ft
Depth Unit	m, fm, ft
Alarm Function	Depth Alarm, Voltage alarm, Sound and light alarm
Language	Chinese, English
Image Speed	stop, *1/8, *1/4, *1/2, *1, *2, *4
Presentation Colors	16colors, 8colors, 256colors, Monochrome
Background	White, Blue, Black
Time Scale	10s, Uninterrupted cycle
Graduated Scale	Scale line, Cursor line
Modes	Single channel, A mode, analog mode
Input Data	IEC61162-1(NMEA0183)
Output Data	IEC61162-1(NMEA0183) DPT
Print Function	Support
Storage Function	With the function of storage and playback, it can store at least 20 hours of water depth data
Import/Export	Support the data of depth input and output
Enviromental	
Working Temperature	-15°C~+55°C
Storage Temperature	-30°C~+70°C
Display unit Waterproof	IP65
Transducer Waterproof	IP66
Standards	IMO MSC.74(69), IMO A.694(17), MSC.191(79), ISO 9875,2001, IEC 60945,2002/COR1,2008, IEC 61162-1-2016, IEC62288,2014; Annex 6, Chapter 5, Part Four of China MSA Regulation for Statutory Survey of Ships and Offshore Installations -Regulation for Statutory Survey of Sea-Going Ships Engaged in Domestic Voyages 2020 and its Amendments.; Chapter 6, Part Five of China MSA Regulation for Statutory Survey of Ships and Offshore Installations-Regulation for Statutory Survey of Ships Engaged in Inland Voyages 2019 and its Amendments.

