

Hi target Dual Frequency Digital Echo Sounder

HD-MAX dual-frequency echo sounder is widely used in sediment measurement for dredging and other water depth measurement projects in shallow water, deep water, and high sandy water. The full-featured Hi-MAX Sounder hydrographic software integrates bathymetry, navigation, and post-processing. Equipped with a 17" large screen and industrial computer platform, HD-MAX offers a set of reliable solutions for hydrographic offices around the world with a robust dual-frequency transducer and a user-friendly survey pole.

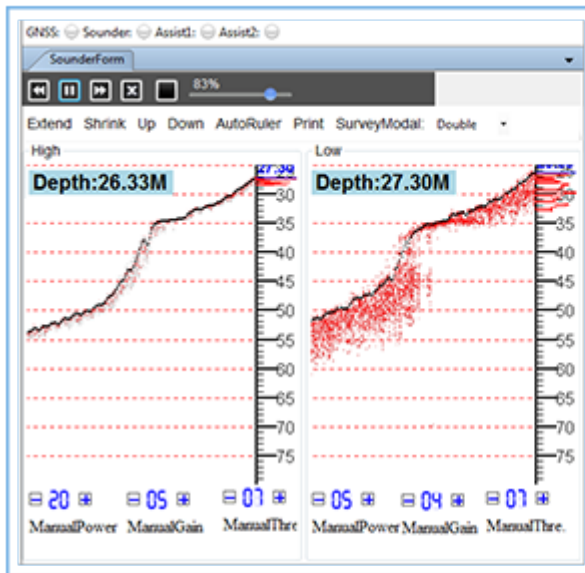


HD-MAX Hydrographic Solution

HD-MAX dual-frequency echo sounder is universal in sediment measurement for dredging and other water depth measurement projects in shallow water, deep water and sandy water. The full-featured Hi-MAX Sounder hydrographic software integrates bathymetry, navigation, and post-processing. Equipped with the 17" large screen and industrial computer platform, HD-MAX offers a set of reliable solution for hydrographic offices around the world along with a robust dual-frequency transducer and a user-friendly survey pole.

The Combination of High and Low Frequency

HD-MAX features the simultaneous operation of both high and low frequencies at the same time, making it superior in both shallow and deep water.



The Full-Featured Hi-MAX Sounder Software

The powerful Hi-MAX Sounder displays, processes, and exports dual frequency data, supporting access to standard NMEA data from any receiver to provide accurate GNSS coordinates for the bathymetry data.



Rugged Industrial Platform

HD-MAX is designed with an enhanced computer platform, and has excellent performance in terms of stability and anti-interference, and compliant with EN 60945. 3 RS-232, 4 USB ports and 1 VGA to meet data transfer needs.



Digitized Results Correction with Echogram Overlaying

Correct the faulty digitized results based on the overlaid echogram to ensure the reliability of depth result especially in complex scenario.



Product Parameters

Frequency	High: 200kHz Low: 24kHz
Maximum Transmitting Power	400W@200kHz 1200W@24kHz
Depth Range	0.15~300m/1.0~900 ft.@200kHz 0.8~2000m/2.4~6000 ft.@24kHz
Accuracy	0.01m/0.1 ft. +/- 0.1% of depth @200kHz 0.10m/0.30 ft. +/- 0.1% of depth @24kHz
Resolution	0.01m/0.10 ft @200kHz 0.10m/0.30 ft @24kHz
Sound Velocity	1370~1700m/s
Ping Rate	Maximum 30Hz
Output Data Format	Standard NMEA 0183, DESO 25, ODOM, Knudsen, Bathy, Echosrac, Hi-Target
Screen	17inches[Resolution]1280 x 1024@60Hz
CPU	1.92GHz[Quad-core]windows 7i
RAM	2GB
Storage	128GB SSD
Interfaces	RS-232*3, USB*4, Power Port*1, Transducer Port*1, VGA*1
Input Power	10~30 VDC or 220 VAC
Consumption	80 watts
Operating Temperature	-20°C[70°F]
Certification	CE, EN 60945