

THE LEADER OF 
UNDERWATER TECHNOLOGY

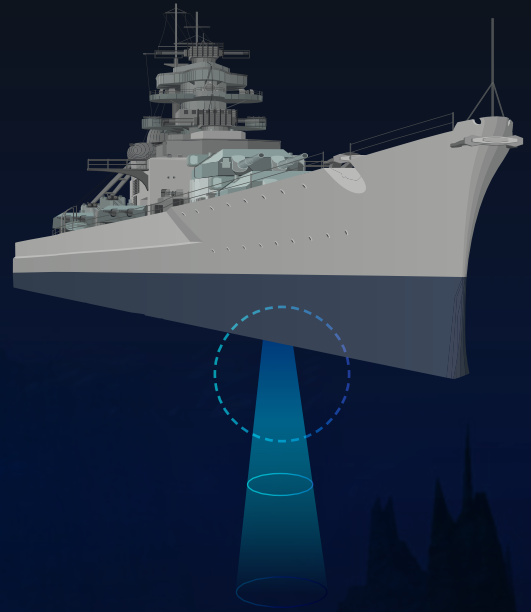
NAVAL DEPTH SOUNDER

NDS-10
NDS-10S



NAVAL DEPTH SOUNDER

NDS-10 for surface warship
NDS-10S for submarine



Product Intro

Naval Depth Sounder system measures the water depths using a sophisticated depth finding algorithm and displays the result. Naval Depth Sounder uses SONAR which produces high amplitude signals to create a sound source. These transmitted signals hit the sea floor and are reflected from the sea floor. Then the system receives the reflected signals from the sea floor and calculates the ocean depths by considering both the elapsed time (the time differences between the signal transmissions and the signal receptions) and the speeds of sound underwater. Signal profile data is displayed in the TFT LCD screen to show the current sea bottom, and signal information is stored on a real-time basis, which can be replayed afterwards at anytime.

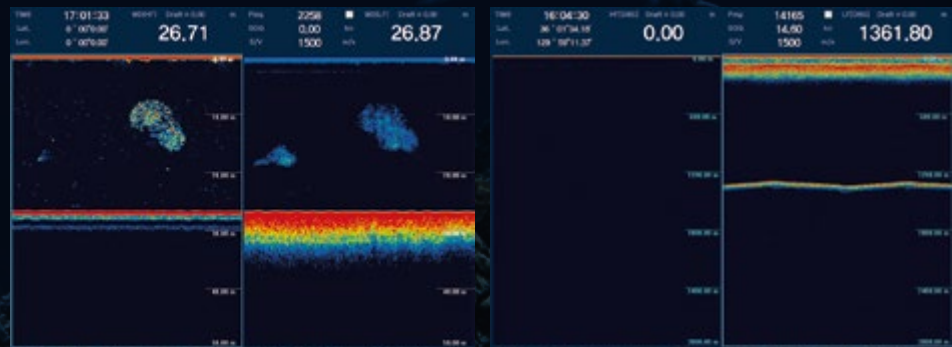
Key Features

- Applied MIL_SPEC (MIL-STD-810G, MIL-STD-901D, MIL-STD167-1A, MIL-STD-461F)
- Applied KS C IEC 60529 (IP44)
- Can measure the maximum depth of 10,000m or less
- Can set an alarm at a set depth
- TVG, AGC function
- Auto range function
- Built In Test Equipment (BITE)

Applications

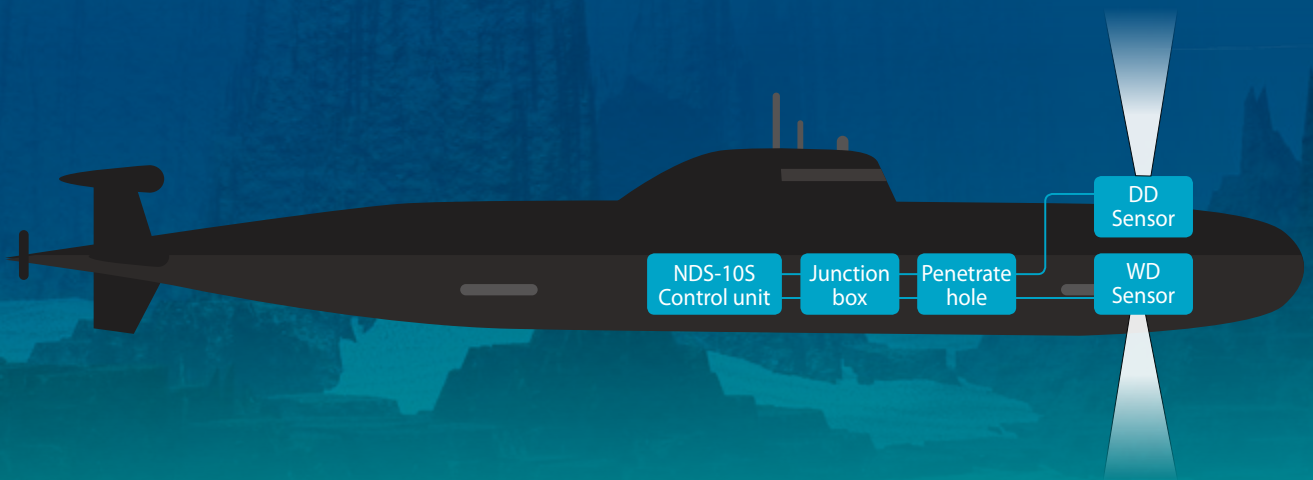
- Used for Navy vessels and surveying vessels
- Used for submarines and underwater vessels

Scan Image



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▶ TECHNICAL SPECIFICATION

Main Controller	Frequency	12, 33, 50, 100, 200kHz
	Depth Range	12kHz @ 1m ~ 10,000m 33kHz @ 1m ~ 3,000m 50kHz @ 0.5m ~ 1,000m 200kHz @ 0.3m ~ 200m *Calculated detection depths
	Resolution	Max ± 1cm
	Power	Max 2kW, 220VAC, 1PH, 60Hz
	Input Power	220VAC, 1PH, 60Hz
	Sound Velocity	1,400~1,650 m/s
	Interfaces	Ethernet LAN, 5 x RS-232/RS422(Selectable) SONAR(Depth output, Blanking input)
	Data Protocols	NMEA0183 etc.
	Display	10.4" TFT LCD
	Channel	2ch
	Self Test	BITE(Built In Test)
	Storage	≥ SSD 200GB
	Dimensions/Weight	502 x 285 x 472/mm, 50kg
	Units	Metres , Feet or Fathoms
Environmental	MIL-STD for Shock, Vibration, EMI/EMC, IP, Temp.	



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