

FAR SOUNDER

Technical Specifications



System Components

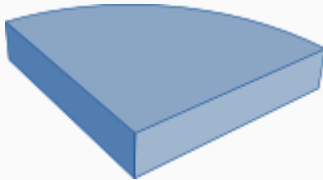
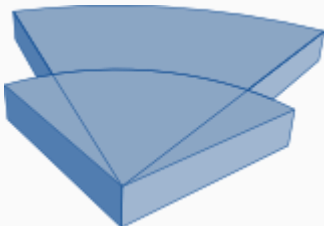


FarSounder's forward looking navigation sonars include:

- Rugged stainless steel Transducer Module with underwater wet matable connector
- Bulkhead mounted Power Module
- Waterproof connection cable
- SonaSoft user interface software
- Marinized bridge computer (*optional*)


Transducer Elements

Each Transducer Module has an array of receivers with a separate transmitter. These arrays are encapsulated in a rugged urethane designed to provide years of protection to the transducer elements. Should the unit ever need to be serviced, it has an underwater mateable connector allowing removal and reinstallation by diver.

Feature Comparison

	FarSounder-500	FarSounder-1000
Range/Field of View	 <p>100m, 200m, 500m x 90°</p>	 <p>100m, 200m, 500m x 90° 1000m x 60°</p>
Operational Speed	up to 20 knots	up to 25 knots
Transducer Module		
Transducer Module Weight	36 kg (85 lbs)	38 kg (90 lbs)

	FarSounder-500	FarSounder-1000
Chart Overlay		Jeppesen C-Map
3D Forward Looking Display		✓
Bottom Mapping Ration		8x Water Depth
Maximum Depth Detection		50 m(165 ft)
Power Requirements		110/220 V, 50/60 Hz @ ~120 W
Operating Frequency		61 kHz
Maximum Output Power		<1500 Wrms
SDK Available		✓
Angular Accuracy		~1.6°
Roll/Pich Stabilization		✓ +/-20°
In-Water Target Multi-Ping Stabilization		✓
User Definable		✓

	FarSounder-500	FarSounder-1000
Automated Alarms		
Display of Ship's Navigation Information	Heading, Course Over Ground, Lat/Lon, Speed, Echo Sounder Depth, Rate of Turn NMEA 0183: RMC, GLL, GGA, VHW, VTG, HDG, HDT, DBT, DPT, and ROT	
Operating System	Windows 7	
Integration into 3rd Party ECDIS/ECS	Transas, Sperry-Marine	
Software Developers Kit Available		

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