



NaviSound 420

Hydrographic Survey Singlebeam Echosounders



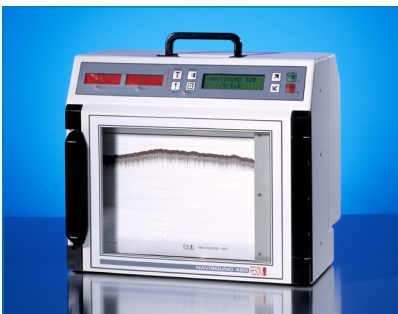
NaviSound 420

- High ping rate (20Hz at 15m) for faster survey speeds
- Easily configured frequency selection
- Multiple bottom digitizing with single frequency for sediment and vegetation surveys
- Simultaneously support for dual channels
- High performance, easy-to-operate
- Supports depths up to 1200m
- Universal power supply

RESON's NaviSound 420 sounder is a portable singlebeam echosounder that offer premium features and support depths up to 1200m. The NaviSound 400 Series supports a wide range of hydrographic survey applications.

NaviSound 420 echosounder provides reliable depth measurement and convenient, easy-to-operate capabilities. Premium features include: built-in thermal paper recorder with large print area, universal power supply, and simultaneous, dual-channel operation. The rugged NaviSound 420 enclosure also provides the highest possible water resistance.

NaviSound 420 is an enhanced hydrographic echosounder that supports simultaneous, dual channel operations.





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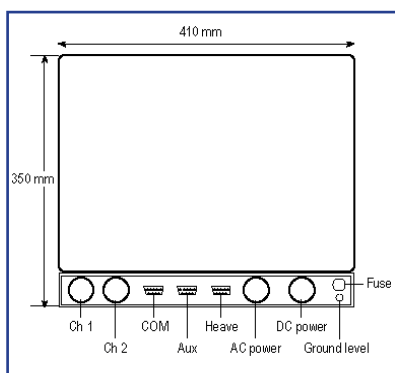
TECHNICAL DETAILS

Frequencies:	Standard 28-35 and 190-225kHz	
Impedance:	100Ohm	
Max. Power:	300W	
Power Control:	Manual or automatic	
Pulse Length:	Manual, 5 steps	
Units:	Meters & feet	
Resolution:	1cm	
Accuracy:	1cm at 210kHz 7cm at 33kHz (assuming correct sound velocity, transducer draft)	
TVC detection level:	20Log (depth)	
Sound velocity:	1350-1600m/sec in 1m/sec step	
Additional feature:	Built-in barcheck utility	
Transducer draft comp:	0-99.99m	
Graphics:	Recording: 21cm wide thermal paper recorder	
Resolution:	1400 pixels (5 gray shades)	
Transfer speed:	15 lines/sec	
Temperature:	Operating:	0°C - 45°C
	Storage:	-10°C - 70°C
Serial I/F:	1: Communication	
	2: Heave input	
	3: Auxiliary input (DGPS)	
	4: Repeater output	
Dimensions:	350 x 410 x 240mm (14 x 16 x 10in.)	
Weight:	15kg (33lbs)	
Supply voltage:	10-28VDC, 115-230VAC 24VDC,	

OVERVIEW

Output resolution:	cm
Depth Range (meters):	0.2-1200
Channels/Transducers:	2/2
Max Ping Rate:	20Hz
Heave input:	✓
NMEA output:	✓
DESOxx output protocol:	✓

Scope of delivery: NaviSound 400 Series User's Manual, DC power cable, AC Power Cable, RS-232C communication cable, 19" rack mount kit, Transducer Connector(s), spare paper, fuses and thermal head cleaning kit.



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