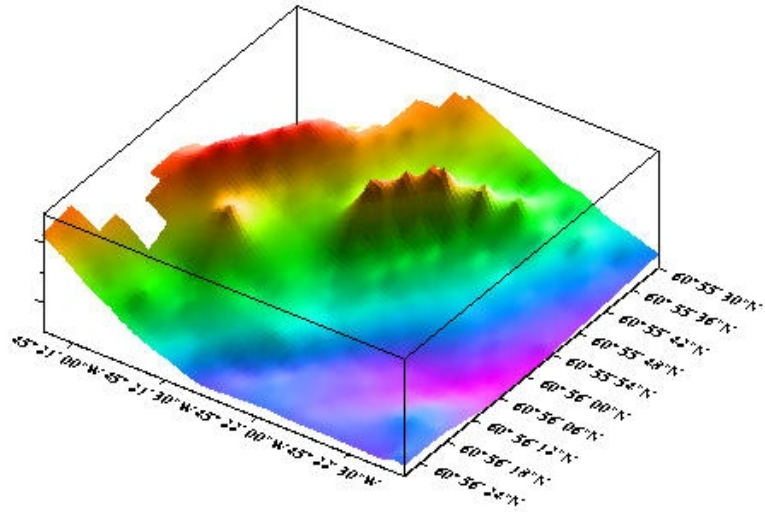


SeaBeam 1050 - MULTIBEAM SONAR

- 50 kHz
- 126 individual beams
- 153° swath width
- 3000 m depth performance
- 1.5° resolution
- exceeding IHO standards
- integrated side scan view
- realtime motion compensation
- Windows NT or UNIX
- portable and easy to install
- dual frequency option



YOUR MULTIBEAM SOLUTION

SeaBeam 1050 - High Performance Surveying

SeaBeam 1050 Multibeam Echosounder collects bathymetric and sidescan data in medium depth waters over a wide swath in excess of 150 degrees.

Detailed data can be recorded with this 50 kHz system in water depth of up to 3000 meters with maximum 126 individual beams. The Windows NT-based system fulfils highest accuracy standards.

The compact transducer array of the SeaBeam 1050 allows both hull mounted and mobile installation even on smallest survey launches.

SeaBeam 1050 has become an industry standard for precise mid depth measurements with a portable system at reasonable costs and has been chosen by leading commercial survey companies, research institutes and Navies.

SeaBeam 1050

4000 m Seafloor Coverage

SeaBeam 1050

Professional Survey
in Water Depths up to 3000 m



SeaBeam 1050 - MULTIBEAM SONAR

TECHNICAL DATA

Frequency	50 kHz
Number of Beams	126 (fewer selectable)
Beam Width	153°
Power Supply	115 / 230V AC, user selectable
Max. Pulse Power	3,5 KW per transducer array
Max. Source Level	234 dB 1 μPa/1 m
Pulse Length	0,3, 1,3, 10 ms; selectable
Bandwidth	12 kHz, 3,3 kHz, 1 kHz; selectable
Sidelobe Suppression	36 dB (transmission and reception)
Survey Speed	up to 16 kn for continuous seafloor coverage



DIMENSIONS

Sonar Processor Unit (SEE 30-1050)	Dimensions:	480 x 540 x 360 mm
	Weight:	approx. 33 kg
Transducer (LSE 237)	Dimensions:	530 x 290 mm each
	Weight w/cable:	60 kg

INTERFACES AND SENSORS

Motion	DMS-2, Octans, POS M/V, MRU 5
Heading	NMEA 0183 standard, sentence HDT
Position	NMEA 0183 standard, sentence GGA or VTG
Sound Velocity	Data input via RS 232
Software	ELAC HDP 406 I, CARIS, COASTAL OCEANOGRAPHICS, EIVA, QPS, ROXAR

