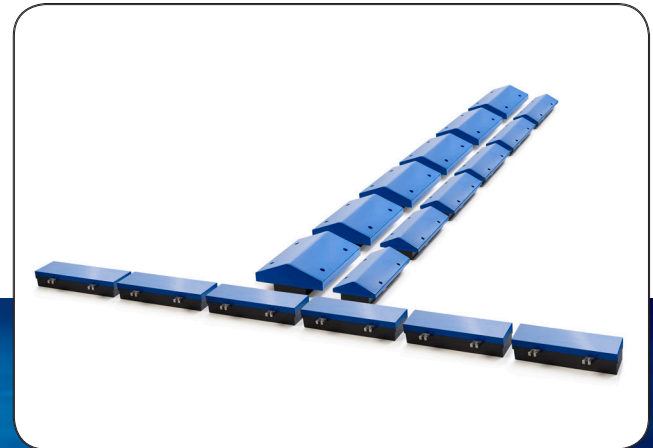


SeaBat® 7150

Full Ocean Depth Multibeam Echo Sounder



Featuring a true integrated modular dual frequency design, the SeaBat 7150 system provides the user the ultimate in resolution, performance and system expandability.

The system can be configured for either 12kHz and/ or 24kHz operation, providing a choice of both ultra high resolution in shallow water and extended range in deeper waters. The modular design allows the user to increase system resolution to job or budget, simply by adding individual array modules.

Unparalleled technological advancements have been made in the SeaBat 7150. Standard features include increased

receive beams for greater sounding density, automatic mode operation, transmit and receive beam focusing, equidistant and equiangular beam spacing, pitch and roll stabilisation.

The SeaBat 7150 is controlled by a high performance sonar processor that manages data flow and signal processing using state-of-the-art FPGA architecture. The sonar processor provides a Windows®-based GUI user interface, allowing system configuration, control, data output, storage and built-in-test environment (BITE) displays to assist the operator.

FEATURES

CONFIGURATION

Flexible configuration allows installation on a wide range of vessels

EFFICIENCY

Roll and pitch stabilisation maximise efficiency in deep water

COVERAGE

Narrow beams and wide coverage provide excellent combination of coverage and resolution

PRODUCTIVITY

Equi-distant footprints increase productivity

OPTIONS

19" marine grade monitor

1TB external RAID drive

7150 mounting frames

7150 gondola

SVP-70 sound velocity profiler with 25 m cable

Service Level Agreements (SLA)

SEABAT 7150 SYSTEM SPECIFICATIONS

Frequency	12kHz or 24kHz (nominal with dual frequency option)
Number of beams	Up to 880 receiver beams across swath (mode dependent)
Beamspaceing	Equi-distant and equi-angle
Swath coverage	150°
Typical depth	50m to 3000m at 24kHz, 50m to 6000m at 12kHz
Max range scale	9600m at 24kHz, 12800m at 12kHz
Transmit & receive beams	Various, dependent on the selected configuration
Update rate	Range dependent, 15Hz maximum
Motion stabilisation	Pitch and roll
Pitch	±10°
Roll	±15°
Mechanical specifications	
7150-B	Single frequency 12kHz, 2° x 2° beams
7150-C	Single frequency 24kHz, 2° x 2° beams
7150-D	Single frequency 24kHz, 1° x 1° beams
7150-F	Dual frequency 12 and 24kHz, 2° x 2° beams at 12kHz, 1° x 1° beams at 24kHz
7150-G	Single frequency 12kHz, 1° x 2° beams
7150-I	Single frequency 12kHz, 1° x 1° beams



WHY CHOOSE A SEABAT 7150 SYSTEM?

- Unique variable resolution
- System can be configured the to fit your vessel and your needs
- Proven data quality
- Integrated PDS2000 software
- Dense soundings define the details you need
- Full ocean depth performance
- Wide swath coverage

For more details visit www.teledyne-reson.com or contact your local Teledyne RESON Office. Teledyne RESON reserves the right to change specifications without notice. 2014©Teledyne RESON

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