

Hypack® SBP Workstation



Key features

- All in one sub-bottom profile acquisition and data processing software
- Real time high resolution data collection
- High data input
- Chart and vessel display ability
- Survey planning
- Chart overlay
- SEG-Y data storage format
- SEG-Y and JSF data processing formats
- Industrial ruggedised PC workstation
- 3D supported

Applications

- Single channel analogue ultra high resolution seismic operations
- Sparker geophysical surveys
- Boomer geophysical surveys
- Digital SBP interfaces supported

Hypack® SBP Workstation Overview

Integrating HYPACK® Sub-bottom into an industrial ruggedised workstation provides an all-in-one data acquisition and processing software package for the marine geophysical operating environment.

HYPACK® Sub-bottom is a sub-bottom profiling (SBP) software package designed for marine geophysical, engineering & geotechnical site surveys, dredging, mining applications. It's a

simple and easy-to-use solution for all sub-bottom profiling survey requirements. The software is intuitive to configure by following a few basic steps: firstly define the project geodesy, configure the survey hardware, import background charts (ENCs & web maps), plan the survey lines then start the survey program to acquire the data. Within the survey program the SBP system can be further configured & tuned.

Key features

- HYPACK® Sub-bottom supports numerous SBP systems, both analogue and digital
- Hull-mounted systems require only a simple GPS. For towed systems, HYPACK® supports multiple cable counters, and performs layback calculations or USBL/LBL acoustic positioning can be utilised
- A sophisticated triggering system enables simultaneous acquisition of two different SBP systems with no acoustic interference between the systems
- Real-time view of all sensor data
- Display options include unipolar vs bipolar displays and controls for colour together with band-pass filtering and TVG

Processing & Reporting

- Loads large datasets
- Supports SEG-Y and JSF data formats. Reads most third party SEG-Y files
- Digitise layers, pick targets and export to ASCII files
- Apply gain (automatic and user-defined TVG) and band pass filtering
- Bottom tracking and swell correction
- Adjust sound velocity in water and sediment
- Apply HYPACK® tide files
- View SBP data in a 3D fence diagram
- DXF file with layer information
- Export all format files
- Export XYZ ASCII data for all reflectors
- Export fence diagrams for 3D view of data

Workstation Technical Specification

CASE: INDUSTRIAL 2U ANODISED RACK MOUNTABLE CASE.

- Intel 7 Series-4790T processor
- 8Gb DDR3 RAM
- 250GB SSD O/S / 1Tb Data hard drives. DVD writable drive
- PCIe-6341 16-bit 500ks/s ADC fitted c/w shielded connector block for analogue BNC hydrophone interface
- Dual monitor graphics card
- 4 x Serial I-O Ports, 4 x USB
- 2 x Ethernet 10/100 Port

PHYSICAL

Dimensions Depth 580mm, width 430mm, height 90mm

Weight 12Kg

Supplied in transit case

ELECTRICAL

Supply 90-264 VAC supply, 50-60Hz

Earth Chassis connection