



Bathy-2010 PC™

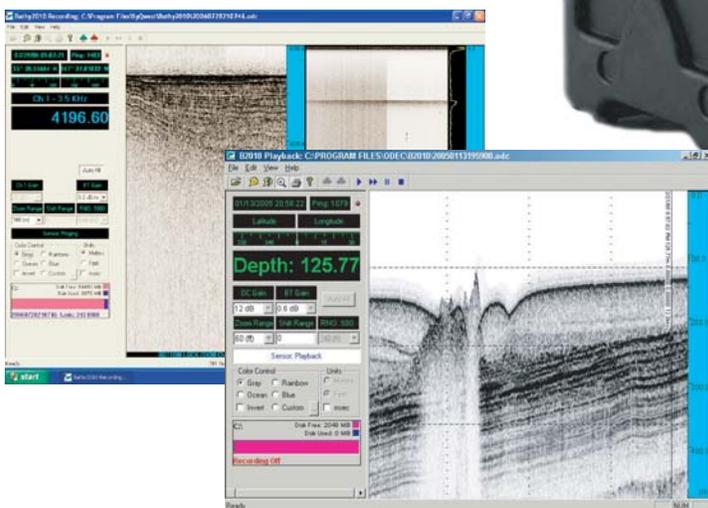
Precision Chirp Profiler



The Bathy-2010 PC™ is a portable high-resolution, precision Chirp Profiler. It is designed for bathymetric and sub bottom marine surveys up to 6,000 meters of water depth. Available as a dual frequency model.

Ease of use, and cost efficiency make this device a perfect choice for bathymetric survey and marine geophysical applications.

The sensor unit is extremely compact, interfaces directly to a standard laptop or PC, and comes complete with transceiver unit and Windows® PC Software



- ◆ Centimeter Resolution
- ◆ GPS Input, NMEA Compatible
- ◆ Hypack & SonarWiz Compatible
- ◆ Data Storage & Playback
- ◆ Zoom Modes ◆ Event Marks
- ◆ Single or Dual Frequency
- ◆ Sound Velocity ◆ Draft Offset



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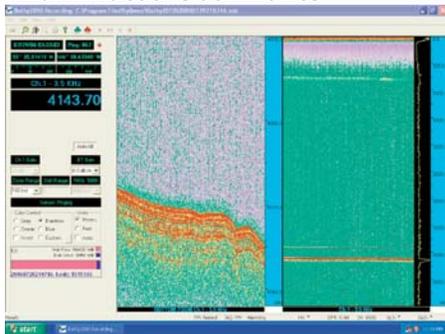


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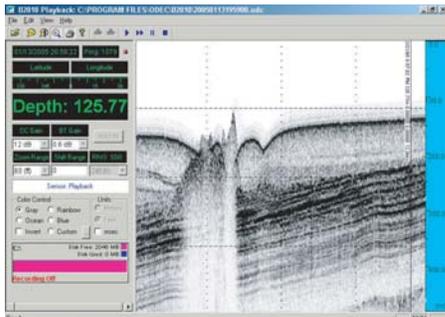
Deep Ocean
Laminated Sediments

Bathy-2010 PC™

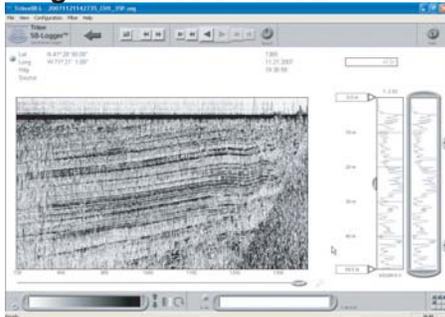
SPECIFICATIONS



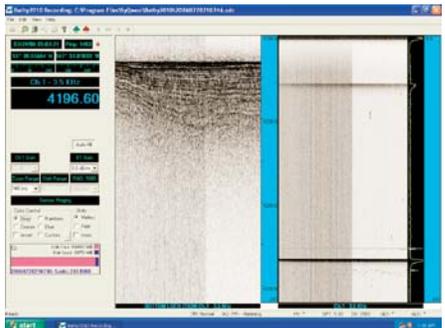
300 Meter Sediment Penetration



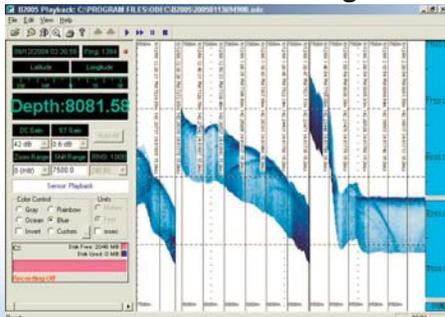
High Resolution Strata



Bottom Zoom



Proven Bottom Tracking



Units:	Feet or Meters
Depth Ranges:	30, 60, 120, 240, 480, 800, 1500, 2400, 3000, 6000, 15000, 18000 Feet 10, 20, 40, 80, 150, 300, 500, 750, 1000, 2000, 5000, 6000 Meters Auto-ranging Modes in all units.
Shift Range:	0-450 Ft in 1 foot increments, 0-150 mts in 1 meter incr.
Zoom Range:	15, 30, 60, 120, 240, 480 Feet 5, 10, 20, 40, 80, 160 Meters
Zoom Modes:	Bottom Zoom, Bottom Lock Zoom, Marker Zoom, Normal Data, Zoom Data, Navigation, Depth,
Display:	Command/Status, Color Control for Data: 4 Selections or Custom (User Input), Data Color Invert possible
Depth Resolution:	0.1 Feet, 0.01 Meters
Strata Resolution:	8 cm with > 300 Meters of bottom penetration (bottom type dependent)
Depth Accuracy:	Meets or exceeds all current IHO hydrographic requirements for single beam echo sounders 0-40m 2.5cm, 40-200m 5.0cm, >200m 10.0cm; or +/- .1% of depth corrected for sound velocity
Speed of Sound:	User Selectable 1500 Meters/Second, 4800 Feet/Second; Adjustable in increments of 1 M/sec or 1 FT/sec
Geographic Position:	NMEA 0183, GLL, GGA, RMC, VTG, VHW, HDT Selectable Baud Rates (RS-232) 4800, 9600, 19200, 38400
Printer Output:	Interface to TDU Series Thermal Printers
Shallow Water Operation:	< 1 Meter; bottom type dependant
Transmit Rate:	Up to 20 Hz, depth and operator mode dependant
Event Marks:	Periodic, External, and/or Manual (Periodic selectable in 1 minute intervals)
Data File Output:	Stores Depth, Navigation, and Graphic Data in ODC format (Proprietary) and Standard SEG-Y Normal and Zoom Data stored is Pixel data and can be played back and/or printed.
Data File Playback:	Files can be played back and/or printed at Normal or Fast-Forward speed, with Pause and Zoom and a Playback Scroll Bar for ease of file playback.
Frequency Output:	3.5 to 200 KHz
Transmit Output Power:	4KW (Pulsed) (Maximum)
Input Power:	10-30 Volts DC, Nominal power 75 Watts, 110/220 VAC Optional
Dimensions:	17" D x 19" W x 5.25" H, Weight: 11 lbs. (Installed in Rack: 23"D x 22"W x 7.5"H 25lbs)
Environmental:	0 to 50 degrees C Operating Temperature 0 to 95° non-condensing