The Bathy-1500C™ is a portable high-resolution, precision echo sounder. It is designed exclusively for hydrographic marine surveys up to 5,000 meters of water depth. Available as a single frequency or dual frequency model.

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

The sensor unit is compact, interfaces directly to the panel pc and comes complete with sensor unit, display and Windows® PC Software

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

**Units:** Feet or Meters

**Depth Ranges:** 30, 60, 120, 240, 480, 800, 1500, 2400, 3000, 6000, 15000 Feet
10, 20, 40, 80, 150, 300, 500, 750, 1000, 2000, 5000 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:** 115, 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

**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; Auto

**Geographic Position:** NMEA 0183, GLL, GGA, RMC, VTG, VHW, HDT

**Selecteable 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 340 KHz

**Transmit Output Power:** 2KW (Pulsed) (Maximum)

**Input Power:** 10-30 Volts DC, Nominal power 75 Watts (sensor), 110/220 VAC Optional

**Dimensions:** Sonar Processor: 35.56cm (14”) Depth, 27.9cm (11.0”) Width, and 10.16cm (4.0”) Height.
Display: 44.4cm (17.5”) width, 33.6cm (13.25) height, and 14.4cm (5.7” depth)

**Weight:** Sonar Processor: 4kg (9 lbs). (sensor unit only)
15” LCD Display: 15kg (33lbs) 19” LCD (optional)

**Environmental:** 0 to 50 degrees C Operating Temperature 0 to 95° non-condensing

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Options:
- 210Khz Transducer
- 50Khz Transducer
- 33Khz transducer
- 50/210Khz transducer
- 33/210Khz Transducer
- Rack Mount
- Thermal Printer
- SonarWeb Pro