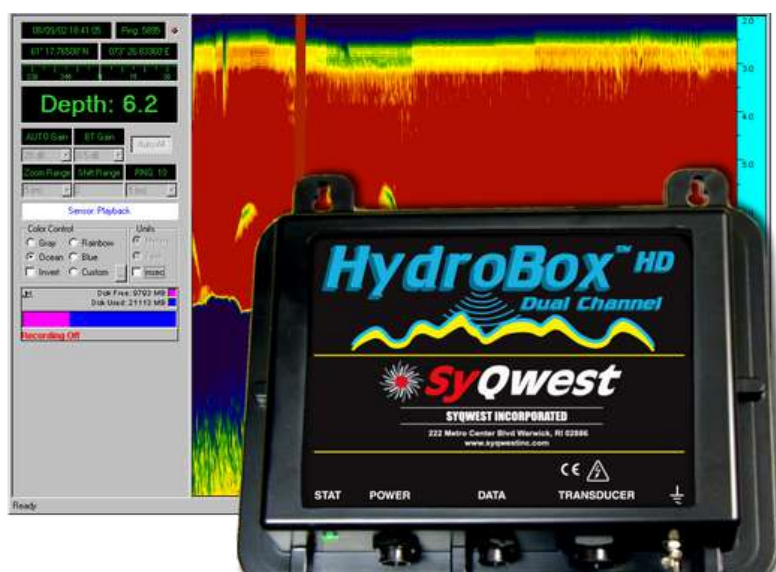




## ECOSONDAS MONOHAZ

# HydroBox HD

## ESPECIFICACIONES TÉCNICAS



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El HydroBox HD TM es un ecosonda portátil de alta resolución para aguas poco profundas. Diseñado para levantamientos marinos hidrográficos costeros y de bajura hasta 1000 metros de profundidad del agua. La extrema facilidad de uso, la portabilidad y la rentabilidad hacen de este dispositivo la elección perfecta para la hidrografía en aguas poco profundas. El sensor es extremadamente compacto, se conecta directamente a una computadora portátil estándar (software de interfaz suministrado) y está disponible con un transductor acústico liviano y eficiente.

- Resolución Centimétrica
- Entrada de posición geográfica, compatible con NMEA
- Compatible con Hypack e HydroPro
- Almacenamiento y reproducción de datos
- Modos de acercamiento
- Marcas de evento
- Frecuencia dual opcional
- Instalación portátil o de mamparo
- Potencia de entrada de 10-30 VCC
- Compatible con Windows 7/8/10



## CARACTERÍSTICAS

|                                 |                                                                                                                                                     |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Units:</b>                   | <b>Feet or Meters</b>                                                                                                                               |
| <b>Depth Ranges:</b>            | 0-15, 30, 60, 120, 240, 450, 900, 1500, 2400, 3000 Ft.<br>0-5, 10, 20, 40, 80, 150, 300, 500, 800, 1000 Meters.<br>Auto-ranging Modes in all units. |
| <b>Draft Offset:</b>            | 0 to 30 feet (0 to 10 meters)                                                                                                                       |
| <b>Manual Gates:</b>            | Shallow & Deep, (rounded to one decimal place)                                                                                                      |
| <b>Shift Range:</b>             | 1 foot increments in depths to 100 feet<br>10 foot increments in depths greater than 100 feet                                                       |
| <b>Zoom Range:</b>              | 15, 30, 60, 120, 240 feet<br>5, 10, 20, 40, 80 meters                                                                                               |
| <b>Zoom Modes:</b>              | Bottom Zoom, Bottom Lock, Marker Zoom,<br>Center Lock, Zoom (Playback Only)                                                                         |
| <b>Display:</b>                 | Normal Data, Zoom Data, Selectable Color Palette                                                                                                    |
| <b>Sound Velocity:</b>          | 4600 - 5250 ft/sec (1400 - 1600 mt/sec) 1 mt/sec int.                                                                                               |
| <b>Depth Resolution:</b>        | 0.01 feet, (in less than 120 ft)<br>0.01 meters. (in less than 150 mts)                                                                             |
| <b>Depth Accuracy:</b>          | 1cm @ 200khz; 5cm @ 50Khz; 7cm @ 33Khz                                                                                                              |
| <b>Navigation Input:</b>        | NMEA 0183, GLL, GGA, RMC, VTG, VHW, HDT.<br>Selectable Baud Rate, RS-232 .                                                                          |
| <b>Data Output:</b>             | NMEA 0183; DPT, DBT, PMC; ODEC                                                                                                                      |
| <b>HydroBox HD I/F:</b>         | Ethernet via RJ-45                                                                                                                                  |
| <b>Printer Output:</b>          | (Parallel Port) interface to TDU Series Thermal                                                                                                     |
| <b>Heave Input:</b>             | TSS1 Format, 9600 Baud Rate                                                                                                                         |
| <b>Shallow Water Operation:</b> | .31 mt or 1 ft; frequency dependant                                                                                                                 |
| <b>Data File Storage:</b>       | External-ODEC Format(8 bit, 800 pixel), SEG-Y Format envelope (16 bit, 96kHz rate), Internal-32GB SD Flash                                          |
| <b>Transmit Rate:</b>           | Up to 10 Hz, range mode dependent.                                                                                                                  |
| <b>Data File Playback:</b>      | Files played back and printed at Normal or Rapid Advance Speed, with Pause, Scroll, and Zoom                                                        |
| <b>Frequency Output:</b>        | 210 Khz (nominal), 33Khz, *50Khz (*optional)                                                                                                        |
| <b>Transmit Output Power:</b>   | 600 Watts (nominal) matched to transducer (1000 Watts capable)                                                                                      |
| <b>Input Power:</b>             | 10-30 Volts DC, Nominal Power 12 watts, Reverse Polarity and Over Voltage Protected.                                                                |
| <b>Dimensions:</b>              | 25.4 cm (10") Length, 15.876 cm (6.25") Width, and 6.25 cm ( 2.5") Height.                                                                          |
| <b>Weight:</b>                  | 1.1 kg (2.3 lbs). (sensor unit only)                                                                                                                |
| <b>Eventing:</b>                | Manual and Periodic Event Marks                                                                                                                     |
| <b>Environmental:</b>           | 25°C to +60°C Operating Temperature (-55°C to +90°C Storage) Water Resistant to EN60529 IP65 EMC meets EN60945 Emissions, CE Compliant              |



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