

# Seafloor™ datasheet

## About

The HydroLite-TM™ should be included in every survey and engineering company's standard equipment kit for hydrographic surveying. Developed to meet requirements for the U.S. Army Tactical Dive Teams, the rugged, wireless HydroLite-TM™ looks and feels like your traditional survey instrument. It quickly measures and logs depths more accurately than standard systems, making fast work of ponds, rivers, lakes and more.

## Benefits

- ▶ Portable, integrated hydrographic survey solution
- ▶ Adaptable to any vessel
- ▶ Wireless data transfer direct to data collector
- ▶ Meets IP-65 standards
- ▶ Quickly export XYZ data



HydroLite-TM™ in lake.



HydroLite-TM mounted on HyDrone-ASV



Rugged Shipping Case

## HydroLite-TM™ Single Frequency Echosounder Kit



Bathymetric Image using single beam Echosounder Image



## Scope of Supply

- ▶ HydroLite-TM Echosounder Kit
- ▶ HydroLite Boat Mount/Pole Kit
- ▶ Rugged Shipping Case
- ▶ User Manual/ Training Manual
- ▶ 1 year support and warranty

## Options

- ▶ GNSS Receiver
- ▶ Data Collector/Software
- ▶ PC Data Acquisition
- ▶ Digital Bar Check/Sound Velocity
- ▶ Tide Gauge
- ▶ Telemetry - Vehicle to Shore

## Echosounder

- ▶ Frequency: 200 KHz
- ▶ Beam Width: 9°
- ▶ Ping Rate: 6 Hz w/ 2Hz output
- ▶ Depth Accuracy: 1cm/ 0.1% of depth
- ▶ Output formats: NMEA, ASCII, ODOM, ATLAS
- ▶ Range: 0.3m - 75m
- ▶ I/O: Serial, Bluetooth
- ▶ Power: Rechargeable 12V Battery
- ▶ Compatibility: Trimble, Leica, Topcon, Sokkia, Epoch, Carlson, HYPACK, QPS, EIVA, PDS 2000.

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## HydroLite-DFX™ Dual Frequency Echosounder Kit

### About

The HydroLite-DFX™ is a portable dual frequency echosounder. The system combines both low frequency (30 kHz) and high frequency (200 kHz) transducers in one unit enabling penetration through soft sediments to detect hard bottom classification as well as detection of the surface layer. The unique design is also a helpful tool for bottom classification.

### Benefits

- ▶ Portable, integrated hydrographic survey solution
- ▶ Dual frequency
- ▶ Adaptable to any vessel
- ▶ Bluetooth and serial data transfer
- ▶ Meets IP-65 standards
- ▶ Quickly export XYZ data

### Scope of Supply

- ▶ HydroLite-DFX Echosounder Kit
- ▶ HydroLite Boat Mount/Pole Kit
- ▶ Rugged Shipping Case
- ▶ User Manual/ Training Manual
- ▶ 1 year support and warranty

### Options

- ▶ GPS/GNSS Receiver
- ▶ Digital bar check
- ▶ Tide Gauge
- ▶ Motion Sensor

### Echosounder

- ▶ Frequency: 200/30 kHz
- ▶ Beam Width: 9°/20°
- ▶ Ping Rate: 6 Hz w/ 2Hz output
- ▶ Depth Accuracy: 1cm/ 0.1% of depth
- ▶ Output formats: NMEA, ASCII, ODOM, ATLAS
- ▶ Range: 0.3 m - 200 m
- ▶ Transducer Cable: 5 m
- ▶ Power: External 12-18 vdc
- ▶ Compatibility: All Data Collectors & Acquisition Software



Sonarmite™ DFX Echosounder



Rugged Peli-type shipping case

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