

# 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
- ▶ Meets IP-65 standards
- ▶ Quickly export XYZ data



HydroLite-TM™ in river



HydroLite-TM mounted on HyDrone-ASV



Rugged Shipping Case

## HydroLite-TM™ Single Frequency Echosounder Kit



Bathymetric Image using single beam Echosounder  
Image provided by CBEC Engineering, Inc.



## Scope of Supply

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

## Options

- ▶ GNSS
- ▶ Data Collector
- ▶ PC Data Acquisition
- ▶ Digital Bar Check
- ▶ Tide Gauge

## Echosounder

- ▶ Frequency: 200 KHz
- ▶ Beam Width: 6°
- ▶ Ping Rate: 6 Hz
- ▶ Depth Accuracy: 1cm/ 0.1% of depth
- ▶ Output formats: NMEA, ASCII, Quality
- ▶ Range: 0.3m - 75m
- ▶ I/O: Serial, Bluetooths
- ▶ Power: Rechargeable 12V Battery
- ▶ Compatibility: Trimble, Leica, Topcon, Sokkia, Epoch, Carlson, HYPACK

# Seafloor<sup>TM</sup>

## datasheet

## HydroLite-DFX<sup>TM</sup>

### Dual Frequency Echosounder Kit

### About

The HydroLite-DFX<sup>TM</sup> 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

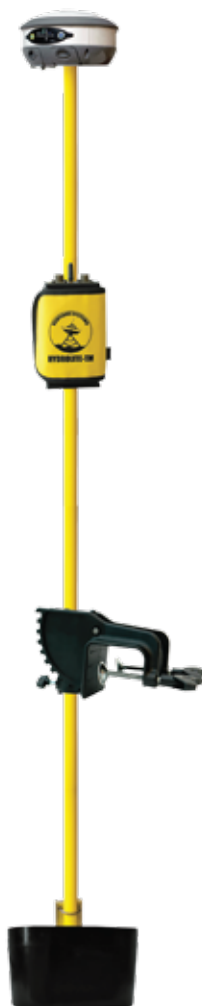
- ▶ Sonarmite Echosounder Kit
- ▶ HydroLite Boat Mount/Pole Kit
- ▶ Rugged Shipping Case
- ▶ User Manual/ Training Manual
- ▶ 1 year support and warranty

### Options

- ▶ GPS
- ▶ Digital bar check
- ▶ Tide Gauge
- ▶ Motion Sensor

### Echosounder

- ▶ Frequency: 200/30 kHz
- ▶ Beam Width: 8°
- ▶ Ping Rate: 6 Hz
- ▶ Depth Accuracy: 1cm/ 0.1% of depth
- ▶ Output formats: NMEA, ASCII, Quality
- ▶ Range: 0.3 m - 200 m
- ▶ Transducer Cable: 5 m
- ▶ Power: Rechargeable 12V leads
- ▶ Compatibility: All GPS



Sonarmite<sup>TM</sup> DFX Echosounder



Rugged Peli-type shipping case