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# Data Sheet

## SBP-1

### Sub Bottom Profiler



- Boat Towed or Pole Mounted
- 10kHz Frequency (good range and resolution)
- Displays Sonar Images on Laptop Computer
- Save Files (XTF format) on any Storage Device
- Easy to operate
- 500' Depth Capability
- Affordable search system

### System Information

#### Computer Based System:

- Standard laptop – Windows® 10, 15.6" wide screen, 320GHD, R/W burner, 4GB RAM
- File format - XTF (industry standard)

#### Tow fish:

- Frequency - 10 kHz
- Bottom sediment resolution - 2.4 inches
- Beam width - 30 degrees
- Pulse length - variable
- Transducer type - cone
- Max bottom penetration - 100+ feet
- Max tow depth - 500 feet (150m)
- Power output - 300 watts
- Recommended tow speed 1-5mph

### Options

- Panasonic Toughbook®
- Boat Tracking Software

### Dimensions / Weights

- Sonar processor - 9"W x 4"H x 7.5"D - 3 lbs.
- Sonar processor input power - 12 VDC, 120/220 VAC at 8w
- Splash- proof PC (optional) - 14"L x 11"W x 6"D - 7 lbs.
- Cable - .375"D x 150-500' - 25-85 lbs.
- Fish - 36"L x 24"W x 9"H
  - tow configuration (with ballast) - 40 lbs.
  - pole configuration - 30 lbs.
- Shipping box (150' cable) - 40"L x 28"W x 14"H - 127 lbs.

Sub Bottom Profilers (SBP) are used to identify the thickness of different strata layers below the ocean floor. Most importantly, for our application, it will also show any density disturbance within a strata layer. It's the density disturbance we are after; it indicates that there is something foreign within the strata layer. The SBP-1 has the advantage of being pole mountable for shallow water projects or boat towable (up to 1,000 feet of cable available). The fish is towed 5 to 10 feet off the bottom to keep the sonar beam narrow. The system comes complete with Sub Bottom tow fish, 150 feet of cable, topside Sonar Processor Box, a GPS, and a laptop computer with Fishers Sonar View sub bottom profiler software.

An optional Panasonic Toughbook® is available for small, open boat operations (see image on side). The 10.1" XGA sunlight-viewable LED 1024 x 768 resistive touchscreen computer is MIL-STD-810G certified (6' drop, shock, vibration, rain, dust, sand, altitude, freeze/thaw, high/low temperature, temperature shock, humidity, explosive atmosphere).

