**Explorer**

Mini Marine Magnetometer

**3.8 kgs, Soaking Wet**

Explorer is the world’s smallest and lightest high sensitivity magnetometer. It’s ideal for inshore, shallow water work, or offshore towed behind Side Scans, AUVs and ROVs.

**One Man Operation**

3.8 kgs (8.5 lbs) for the mag
6.9 kgs (15 lbs) for a 50m (164 ft) tow cable

**High Sensitivity Without Export Restrictions**

With 0.02 nT sensor sensitivity and 0.001 nT counter sensitivity Explorer maintains high sensitivity, without requiring an export permit.

**Unmatched Absolute Accuracy**

Explorer gives you consistent, repeatable data you can trust. At 0.1 nT it is orders of magnitude more accurate than all competing magnetometers.

**2w Ultra Low Power Consumption**

Explorer can be powered by a single car battery for up to 200 hours.

**Applications**

- Inshore geophysical survey
- Archaeology
- Wreck detection
- Magnetic mapping of harbours
- Ferrous target detection in lakes, rivers and estuaries
- UXO
- Underwater Archeology
Survey in Any Direction, Anywhere in the World

There are no limitations with our omnidirectional Overhauser sensors – they don’t have a dead zone.*

That’s why Explorer has a sleek design. You never have to rotate the sensor to try to minimize the dead zone, as you would with competing mags.

*A dead zone is an area where the mag can’t take any readings.

No Heading Bias

No matter how our sensors are oriented, successive Survey Lines match up perfectly. You’ll produce better quality magnetic maps and won’t lose what you’re looking for in mismatched Survey Lines. Heading bias is an offset in the mag data caused by changing direction with each survey line.

No Sensor Warm Up Time

Explorer works instantly on power up, regardless of the water temperature.

Maintenance-free Overhauser Sensors

Our sensors are omnidirectional, maintenance-free, and do not require realignment, or recalibration. Plus they don’t contain any consumable parts, or toxic chemicals.

System Consists of:

Explorer Magnetometer Includes

- Overhauser sensor
- Electronics module with Larmour counter
- Leak detector
- Depth rating 800m (1200 psi)

Additional Components

- Power isolator
- 24V universal AC power supply or battery clip cable
- USB or RS-232 cable
- BOB data acquisition and visualization software
- Tow cable, length to be determined by customer
- A custom aluminium shipping case

Specifications

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Magnetometer

Length: 86 cm (33.75 in)
Diameter: 6 cm (2.875 in)
Weight in Air: 3.8 kg (8.5 lbs)
Weight in Water: 1.2 kg (2.6 lbs)

Tow Cable

Conductors: Four + Shield
Breaking Strength: 2,500 kg (5,500 lbs)
Outer Diameter: 1 cm (0.4 in)
Weight in Air: 122 g/m (8 lb/100 ft)
Weight in Water: 24 g/m (2 lb/100 ft)

“Years of survey experience have taught me that both your Explorer and SeaSPY magnetometers are the best on the market today. In the harsh conditions associated with remote sensing surveys your magnetometers have never let me down, not once.”

Michael Krivor, Search Inc.