



## BCS-4

- Precision, dual axis gimbaled, 3-component geophone mounting for accurate geophone orientation, minimizing cross-coupled signals and improving vector fidelity
- Geophone elements can be SM-4, SM-4 Superphone™, SM-7, SM-15, SM-24, or SM-24ST, chosen to suit bandwidth requirements
- Preseis® 2520 hydrophone maintains sensitivity with depth
- Reliable performance with field-proven, 8-pin Dynacon™, underwater-mateable connector and multiple seal/bulkhead construction



The BCS-4, a 3-component gimbaled geophone and hydrophone unit, has been developed for seabed OBC exploration and for time-lapse (4-D) surveying. Recording the three components of the seabed motion provides more information than 2-component surveys, allowing better definition and characterization of reservoir formations.

## Specifications

INPUT/OUTPUT, INC.

### Geophones

Standard	SM-4 HS Superphone™
Optional	SM-4, SM-7, or SM-15
Natural frequency	10 Hz
Sensitivity (1,000-Ω shunt)	20.9 V/m/s (higher sensitivity is optional)
Damping (1,000-Ω shunt)	0.7
Resistance (1,000-Ω shunt)	273 Ω
Distortion	0.1% or less

### Hydrophone

Preseis® 2520	
Natural frequency	10 Hz
Sensitivity (shunted)	4.58 V/bar
Damping (shunted)	0.7

### BCS-4 Housing

Connector	8-pin, female, Dynacon™
Length	290 mm
Diameter	90 mm
Weight (in air)	3.7 kg
Volume	1.560 l
Operational depth	
Standard	200 m
Optional	up to 1,000 m
Dual axis gimballed system	
Pitch	0° to 40°
Roll	360°

Limited Warranty Period	30 days
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## Ordering Information

BCS-4	BCS-4 <i>Please, specify the recording system to be used.</i>
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