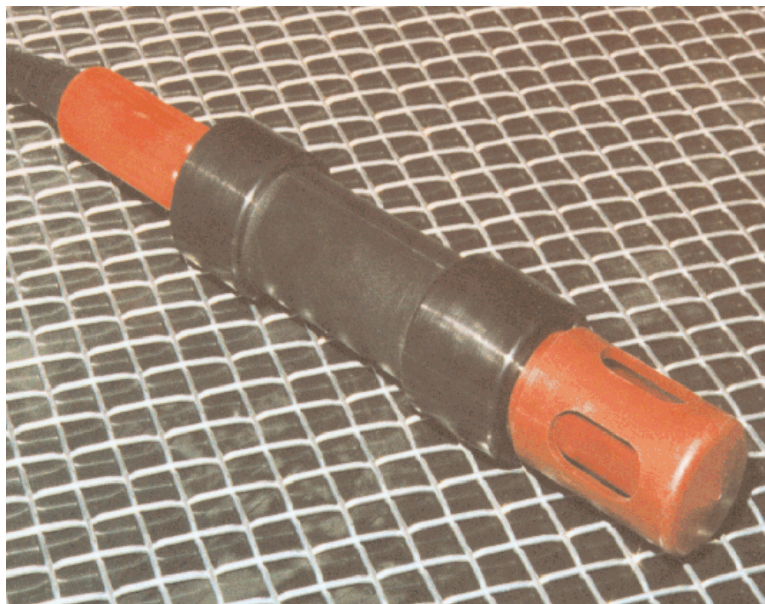




BCS-2 Dual Sensor

- Geophone and hydrophone have matched response characteristics
- Outputs suitable for connection to any OBC or transition zone recording system
- Hydrophone sensitivity consistent from 0-m to 200-m operation depth
- Fully-molded module and Dynacon® connector provide unparalleled water-proof reliability
- Possibility to form arrays, using additional single-ended and double-ended geophone modules



The BCS-2 is a fully-molded, watertight module, combining a gimbaled vertical geophone with a Preseis® 2520 hydrophone for dual sensor OBC surveys. Dynacon connectors are used to ensure watertight, leakage-free connections.

Three versions are available: dual sensor, double-ended gimbal geophone, and single-ended gimbal geophone, allowing different array configurations or single-unit uses.

Specifications

INPUT/OUTPUT, INC.

BCS-2

Physical Characteristics

Length	340 mm (13.4 in)
Max. O.D.	77 mm (3.03 in)
Weight (in air)	1.8 kg (3.96 lb)
Max. operating depth	200 m (656 ft)
Max. survivable depth	275 m (902 ft)
Gimbal pitch	up to 30°
Gimbal roll	360°

Geophone

Model	SM-4 upright, special tilt version
Natural frequency	10 Hz $\pm 5\%$
Sensitivity	20.9 V/m/s (0.53 V/in/s) $\pm 5\%$ @ 70% damping
Coil resistance	375 Ω $\pm 5\%$

Hydrophone

Model	Preseis [®] 2520
Natural frequency	10 Hz $\pm 15\%$
Sensitivity	-206.8 ± 1.5 dB re 1 V/mPA (4.58 mV/mBar)
DC resistance	350 Ω $\pm 5\%$ @ 20°C (68°F)
Impedance	1,730 $\Omega_{nominal}$ @ 100 Hz

Connector Specifications

Model	Dynacon [®] , 6 contact
Mated operating depth	>275 m (>902 ft)
Open-face tested depth	30.48 m (100 ft)
Underwater mateable	yes

Ordering Information

Dual Sensor, Hydrophone, and Gimbal Geophone	BCS-2
Double-ended Gimbal Geophone	BCS-1A
Single-ended Gimbal Geophone	BCS-1B



Note: BCS-1 units are an option for single-component gimbal geophone operations.



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