



Model 5011 Compass Bird™

Performance Data



The Series 5000 Concept

The Series 5000 is the third generation of seismic streamer system components developed by ION.

The 5000 provides a platform on which various cable control products are based. Its modular construction allows common mechanical and electronic subassemblies to provide different cable control functions.

- Modular construction
- Non-corrosive outer body
- 122 m (400 ft) depth measurement
- SLB 150 battery pack
- Multiple-processor architecture
- Communications to support 6,000 m and longer streamers
- Multiple, water weight seals provide greater reliability

Model 5011 Compass Bird

The Model 5011 is the Compass Bird member of the 5000 family. It is an advanced, microprocessor-based device that is mounted externally on a marine seismic streamer cable. The Compass Bird has a variety of functions and features, including:

- Compass heading information
- Heading data corrected for A, B and C terms
- Internal filtering of heading data
- Depth measurement and depth control
- Provides information to assist in ballasting streamers
- QuickCUFF™ compatible for rapid deployment and retrieval
- Non-magnetic outer body

Specifications

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Physical Characteristics

Length	1.2 m (48.2 in)
Weight in air	8.32 kg (18.3 lbs)
Weight in water with batteries	2.78 kg (6.1 lbs)
Mounting	Industry-standard collars on 0.57 m (22.5 in) centers

Communications

Type	Serial, FSK
Frequency	26 kHz
Data rate	2,400 bit/s

Depth Measurement

Operating Range	0 m to 122 m (0 ft to 400 ft)
Resolution	0.15 m (0.5 ft)

Diving Plane

Lift	15.9 kg (35 lbs) @ 5 knots and 15° wing angle
Airfoil	NACA 651-012 airfoil section
Wing span	48.3 cm (19 in)

Battery

Cells	SLB 150 battery pack (standard) or 4, D-cell lithium batteries (optional)
Life	150 days (typical) (standard SLB 150 battery pack) 60 days (typical) (optional D-cell batteries)

Warranty

Limited Warranty Period	1 year
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Order Information

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Model 5011 Compass Bird 26 kHz	9000-5011
Kit Spare Model 5000	6500-041
SLB 150 Battery Pack	4000-074
Manual	
Operations and Maintenance	4200-016
Electronic Copy (PDF)	4200-016E



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