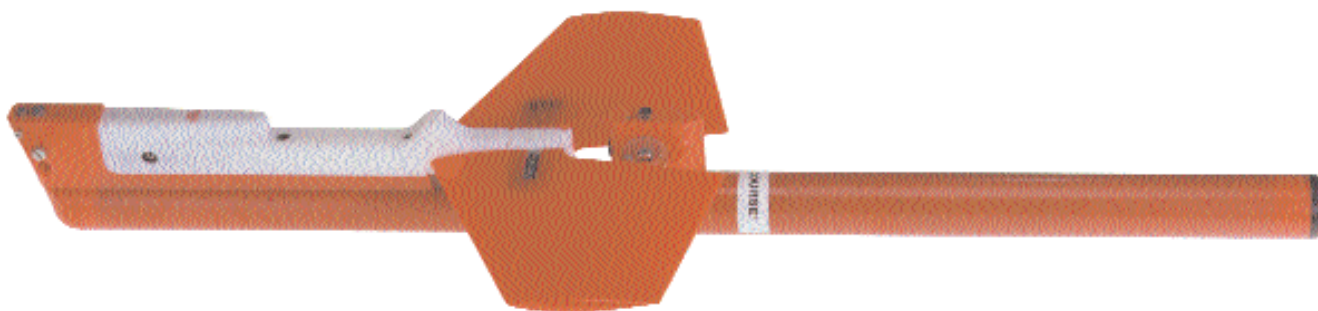




Model 5011 Compass Bird



The Series 5000 Concept

The Series 5000 is the third generation of seismic streamer system components developed by Input/Output. 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
- Supports a larger repertoire of features
- Dual-battery pack
- Multiple-processor architecture
- Communications to support 6000-m and longer streamers
- Multiple, watertight seals provide greater reliability
- 122-m (400-ft) depth measurement

Model 5011 DigiBIRD™

The Model 5011 is the DigiBIRD member of the 5000 family. It is an advanced, microprocessor-based device that is mounted externally on a marine seismic streamer cable. The DigiBIRD 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
- Depth control
- Adjustable, depth control, algorithm parameters
- Provides information to assist in ballasting streamers
- Non-magnetic outer body

Specifications

INPUT/OUTPUT, INC.

Physical Characteristics

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

Communications

Type	Serial, FSK
Frequency	26 kHz or 28 kHz
Data rate	2400 bit/s

Depth Measurement

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

Heading Measurement

Accuracy	+/-0.5°
Resolution	12 bits

Diving Plane

Lift	15.9 kg (35 lb) @ 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 <i>standard</i> or 4, D-cell, lithium batteries <i>optional</i>
Life	150 days _{typ} for SLB 150 battery pack (<i>standard</i>) 60 days _{typ} for D-cell batteries (<i>optional</i>)

Limited Warranty Period

1 year

Ordering Information

Model 5011 Compass Bird

26 kHz	P/N 9000-5011/01
28 kHz	P/N 9000-5011/03

SLB 150 Battery Pack

P/N 4000-074

Non-magetic, Lithium, D-cell Battery

P/N 4000-009

United States – Stafford, TX

Input/Output, Inc.
Fax: 281.879.3500
Phone: 281.933.3339
E-mail: info@i-o.com

England

I/O Marine Systems Limited
Fax: 44.1483.277655
Phone: 44.1483.277644

Web Site

www.i-o.com