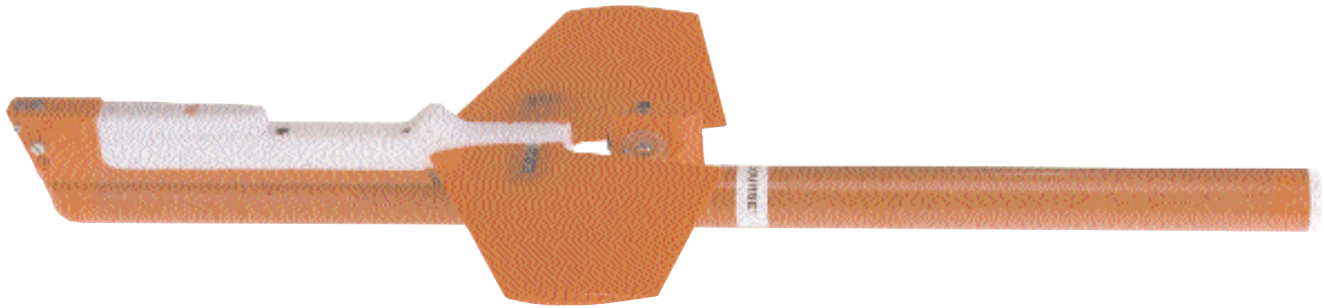




## Model 5010 DigiBIRD™



### 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
- 122-m (400-ft) depth measurement
- Dual-battery pack
- Multiple-processor architecture
- Communications to support 6000-m and longer streamers
- Multiple, watertight seals provide greater reliability

### Model 5010 DigiBIRD

The Model 5010 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:

- Depth measurement
- Depth control
- Adjustable, depth control, algorithm parameters
- Provides information to assist in ballasting

## 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)

### 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	4, D-cell, lithium batteries <i>standard</i> or SLB 150 battery pack <i>optional</i>
Life	60 days <sub>typical</sub> ( <i>standard</i> D-cell batteries) 150 days <sub>typical</sub> ( <i>optional</i> SLB 150 battery pack)

### Limited Warranty Period

1 year

## Ordering Information

### Model 5010 DigiBIRD™

26 kHz	P/N 9000-5010/01
28 kHz	P/N 9000-5010/03

### SLB 150 Battery Pack

P/N 4000-074

### Non-magnetic, Lithium, D-cell Battery

P/N 4000-009

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