



## 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 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	8.32 kg (18.3 lb) in air 2.78 kg (6.1 lb) in sea water with batteries
Mounting	Industry standard collars on 0.57 m (22.5 in) centers

### Communications

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

### Depth Measurement

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

### Diving Plane

Lift	15.9 kg (35 lb) at 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 (standard) or SLB 150 battery pack (optional)
Life	60 days typical operation with standard 4 D cell 150 days typical operation with SLB 150 battery pack

## Ordering Information

Model 5010 DigiBIRD™	
26Khz	P/N 9000-5010/01
28Khz	P/N 9000-5010/03
SLB 150 Battery Pack	P/N 4000-074

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