

## Digicourse 5011 DigiBird Compass Levellor

### Overview:

*The Model 5011 DigiBIRD is an advanced, microprocessor-based device that is mounted externally on a marine seismic streamer cable.*



*Controlled by the Digicourse Position Control System the 5011 DigiBIRD has a variety of functions and features, including:*

- *Compass Heading Information*
- *Heading Data correct for A,B and C terms*
- *Internal filtering of heading data*
- *Depth Measurement*
- *Depth control*
- *Adjustable, depth control, algorithm parameters*
- *Information to assist in ballasting streamers*
- *Non Magnetic Outer Body*

### 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:** 4x Alkaline or Lithium options

**Battery Life:** 4x Alkaline Batterys: 10 days typical  
4x Lithium Batterys: 60 Days typical  
Optional SLB (Solid Lithium Battery Pack): 150 days typical