

Fiobuoy TD100 & TD200 Technical Specifications

Electronics

Power Supply	Battery Pack - 6VDC, 5AH
Average Battery Pack Life	1 year min

Operating	100m	200m
Buoyancy lift (seawater)	3.5 kg	8 kg
Weight in air without rope	13 kg	15 kg
Dimensions	100m	200m
Overall Diameter	410mm	410mm
Overall Length	350mm	650mm
Access Hole to Cavity	120mm	120mm
Internal Free Space Dia	170mm	170mm*
Internal Free Space Length	120mm	350mm

* The 200m Fiobuoy cylinder has 2 internal Reinforcing Rings (180mm apart) which have internal Diameters of 120mm

Construction

Aluminium Cylinder encased in moulded polyurethane polymer
 Endcaps: HDPE
 Internal mechanisms: Aluminium & Stainless Steel

Fiobuoy AC100 & AC200 Technical Specifications

Electronics

Power Supply	Battery Pack – 7.5V 10AH
Average Battery Pack Life	3-5 months
Operating Temperature	3 to 50°C

Acoustic Communications

Depth	200m (656')
Distance (line of sight)	500m (1640')
Protocol	2 way, Broad Band Spread Spectrum 100bps, Confirmed Packet
Transducer Beam Pattern	Omni-directional
Data Rate	100bps
Error Rate	10-6
Unique Address Assignment	1,000,000 (more available if required)
Doppler Tolerance	+/- 5ms-1
Transmit Technique	Spread Spectrum (DSP)

Operating	100m	200m
Buoyancy lift (seawater)	3.5 kg	8 kg
Weight in air without rope	13 kg	15 kg
Dimensions	100m	200m
Overall Diameter	410mm	410mm
Overall Length	350mm	650mm
Access Hole to Cavity	120mm	120mm
Internal Free Space Dia	170mm	170mm*
Internal Free Space Length (without Modem)	120mm	350mm
Internal Free Space Length (with Modem)	60mm	290mm

* The 200m Fiobuoy cylinder has 2 internal Reinforcing Rings (180mm apart) which have internal Diameters of 120mm

Construction

Aluminium Cylinder encased in moulded polyurethane polymer
 Endcaps: HDPE
 Internal mechanisms: Aluminium & Stainless Steel