

ACOUSTIC MONITORING BUOY SYSTEM

DESCRIPTION

This product is ideal for harsh offshore environments. Once deployed, the buoy system can run autonomously and enables acoustic signals to be amplified and radio transmitted in real-time for processing at a receiving station.

It can be switched on and off remotely as required to extend battery life. Flexible and easily transportable, our buoy system is designed to be modular so it can be customised as required.

The system consists of a buoy flotation unit, electronics, batteries, hydrophones plus a transmitter and receiving unit. We can also provide a GPS unit, radar reflector and warning light.







The buoy can operate as a single monitoring unit or as multiple units deployed around a source.



SPECIFICATIONS

Hydrophone elements: up to 3
Acoustic sensitivity: 10Hz to 200kHz tuneable to application
Transmission frequencies: Analogue 900MHz/2.4GHz Digital 2.4GHz/5GHz
Range: up to 10km depending on application
Height: 3.5m Diameter: 0.6m Weight: 75kg
Raft System option also available for shallow water applications

APPLICATIONS

-  Mitigation for civil engineering, e.g. windfarms
-  Mitigation around sources
-  Ordnance clearance
-  Research and baseline monitoring