

PRODUCT DATASHEET

ACOUSTIC DETERRENT DEVICE

DESCRIPTION

The Lofitech Acoustic Deterrent Device (ADD) is the most effective solution to deter marine mammals. Warning away seals, porpoises and dolphins ensures the animals' wellbeing and enables commercial operations to continue.



The device is simple to install and operate. It can be conducted by on-site employees with full support and guidance from our experts.

The system consists of a control unit and a transducer. The control unit contains a pulse generator and an amplifier to transmit random bursts of audio frequency signals to the transducer – this is then converted into intense sound.

The ADD transmits 191dB/μPa/m at an optimal frequency (between 10 and 20kHz) for deterring marine mammals.

APPLICATIONS

- Fish farm stock protection
- Fisheries catch protection
- Mitigation during:
 - pile-driving
 - UXO removal
 - oil and gas operations

Waterproof transport box for equipment shipping



Seal Scarer control unit

Transducer unit

SPECIFICATIONS

Sound pressure: approx. 191dB/μPa/m
Frequency: between 10 and 20kHz
Waterproof self-contained unit: 60cm x 30cm x 40cm
Range: 500m radius from source – can be tailored to project requirements.
Transducer cable length: 25m
Auto-Marine 12V battery with 90-120Ah
Recharge intervals (120Ah batteries): approx. 3 - 4 days
Power consumption: approx. 0.4A/12V