

1500 Series Acoustic Release Beacon



Key Features

- Positive Drive-Off mechanism
- Command and configured by 3510 PAM and Easytrak Nexus
- Spread Spectrum replies
- SWL includes a 4x factor of safety
- Also operates as standard acoustic positioning beacon with Easytrak Nexus

Applications

The **1500 Series Release Beacons** are ideal for long term environmental and metocean observations. Operating with either the 3510 PAM or Easytrak Nexus, the beacons incorporate Spread Spectrum technology for added 'uplink' reliability. Both the field proven release mechanism have a low susceptibility to biofouling.

- Oceanographic long term marking
- Equipment recovery
- Easytrak Nexus calibration
- V-Nav Positioning system compatible

Technical Specification

PHYSICAL SPECIFICATION

Construction:

Model 1519: PVC tube with stainless steel load bearer. Nylon release block. Factory fitted pressure release valve.

Model 1529: PVC tube with fibreglass load bearer. Hardened stainless steel release components. Factory fitted pressure release valve.

Model 1559: Hard anodised aluminium housing with stainless steel load bearer. Nylon release block. Factory fitted pressure release valve

Model	Beam Pattern	SPL	SWL*	Release Load	Survival Depth	Beacon Diameter	Overall length	Weight air/water
1519	± 90°	187dB	75kg	75kg	400m	110mm	499mm	4.6/2.1kg
1529	± 90°	187dB	125kg	125kg	500m	110mm	563mm	8.0/2.8kg
1559	± 90°	187dB	250kg	250kg	1000m	125mm	1350mm	19.6/8.7kg

*SWL includes a 4x factor of safety.

1500 Release Beacon Technical specification continued...

ELECTRICAL SPECIFICATION

Battery

Battery type	Alkaline		
Listening life (At 2°C ambient)	1519; 12 months	1529; 24 months	1559; 60months
Releases	70		

1519 and 1529; A single battery pack is fitted. This is split to separately power the release motor/transmitter and the receive/processor electronics. This extends overall battery life and facilitates field servicing.

1559; Three battery packs are fitted. Separate battery packs for the receive/processor electronics, transmitter and motor. This extends overall battery life.

TWO-WAY COMMUNICATION

Frequency	MF, 17 to 32kHz
Status Telemetry	Acknowledge arm, Acknowledge release, Battery
Commands	Arm, Release, Battery Status, ID Commands

COMPATIBILITY AND CONFIGURATION

All configuration commands are acoustically coupled

3510 PAM	1023 Identities
Eaytrak Nexus	1023 Identities
V-Nav	1023 Identities (positioning only)

OPTIONAL EQUIPMENT

Syntactic flotation and line canister to mark and recover seabed equipment

ACCESSORIES

Replacement alkaline battery pack

Model 1519, additional tether block

Please consult the AAE sales team for further information



Due to continual product improvement, specification information may be subject to change without notice.
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