1500 Series MF
Acoustic Release Beacon

Key features

• Positive Drive-Off mechanism
• Command and configured by 3510 PAM, Easytrak Nexus systems and Easytrak Pyxis
• Spread spectrum replies
• Also operates as standard acoustic positioning beacon with Easytrak Nexus systems and Easytrak Pyxis
• 4x Factory of safety
• Uniquely assigned release identities

Applications

• Oceanographic long term marking
• Equipment recovery
• Easytrak Nexus calibration

MF Acoustic Release Beacon Overview

The 1500 Series MF Release Beacons are ideal for long term environmental and metocean observations. Operating with either the 3510 PAM, Easytrak Nexus, or Easytrak Pyxis. The beacons incorporate Spread Spectrum technology for added ‘uplink’ reliability.

Both the field proven release mechanism have a low susceptibility to biofouling.
Technical Specification

PHYSICAL SPECIFICATION

Construction:


<table>
<thead>
<tr>
<th>Model</th>
<th>Beam Pattern</th>
<th>SPL</th>
<th>SWL</th>
<th>Release Load</th>
<th>Survival Depth</th>
<th>Beacon Diameter</th>
<th>Overall Length</th>
<th>Weight air/water</th>
</tr>
</thead>
<tbody>
<tr>
<td>1519</td>
<td>±90°</td>
<td>184dB</td>
<td>125kg</td>
<td>125kg</td>
<td>400m</td>
<td>102mm</td>
<td>550mm</td>
<td>4.6/2.1kg</td>
</tr>
<tr>
<td>1559</td>
<td>±90°</td>
<td>187dB</td>
<td>250kg</td>
<td>250kg</td>
<td>1000m</td>
<td>125mm</td>
<td>1048mm</td>
<td>19.6/8.7kg</td>
</tr>
</tbody>
</table>

Electrical Specification

BATTERY

Battery type Alkaline

Listening life (At 2°C ambient) 1519; 12 months 1559; 60 months

Releases 70

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

Easytrak Nexus 1023 Identities

Optional Equipment

- Syntactic flotation
- Line canister to mark and recover seabed equipment (1519 release only)

Accessories

- Replacement alkaline battery pack; REL-1519 part # [REL-1519-3000], REL-1559 part # [REL-1450-3000]
- Replacement nylon release block; Both variants [REL-1519-2010]

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

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