1200A Series Micro Beacon

The 1200A Series Micro Beacon is ideal for use in shallow water environments, operation in a confined space or for applications not requiring a high level of power output.

The beacon has a Micro USB interface protected by a rugged waterproof cap that allows channel selection and battery recharging without opening the housing.

Key Features

- AAE Sigma Spread Spectrum technology
- USB PC connectivity
- Rechargeable NiMH batteries
- Charging via USB with onboard charge indicator
- Easy channel configuration via beacon editor app
- On/off sensor
- Legacy support for almost all industry USBL systems currently in use

Applications

- General purpose tracking and positioning applications
- Diver tracking
- Static and dynamic operations e.g. small ROV and sidescan sonar.

Technical Specification

MODEL TYPES – PHYSICAL SPECIFICATION

Housing material; Hard anodised aluminium

<table>
<thead>
<tr>
<th>Beam Pattern</th>
<th>SPL</th>
<th>Survival Depth</th>
<th>Diameter</th>
<th>Length</th>
<th>Weight (air/water)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1219A</td>
<td>±90°</td>
<td>183dB</td>
<td>600m</td>
<td>52mm</td>
<td>848/361g</td>
</tr>
</tbody>
</table>
ELECTRICAL SPECIFICATION

Battery

Battery type Rechargeable; NiMH

Charge Time Computer USB port: 8 hours maximum
Mains USB dedicated charge port: 4.0 hours maximum
Charge status indicator

Listening life 30 days minimum (at 2°C)

Operational life Dependent on pulse rate and operational mode
30 hours at 1.0pps (AAE Spread Spectrum mode)
Operational life reduced when used with non AAE channels

USB

Connector Micro USB

Supported Modes USB 1.1/2.0 (driver required)

Configuration

Set-up AAE Beacon Editor software

Transmit frequency range 21.5 – 30.5kHz

Receive frequency range 16 – 26.5kHz

Turn around time Dependent on channel selection

Transmit pulse width Dependent on channel selection

USBL COMPATIBILITY

AAE Nexus
AAE Easyrak
AAE V-Nav
Kongsberg HPR/HiPAP
iXblue GAPS
Sonardyne USBL

OPTIONS

• Compatibility with USBL systems not listed above