Streamer Hydrophones

High quality streamer hydrophones available as 1, 8, 12 or 20 element MF designs and 24 element LF design. Each is supplied with a pre-amplifier and connectors for standard seismic acquisition systems.

Key Features

- Filled with silicon oil for neutral buoyancy
- Supplied with robust 50m tow leader
- Complete with pre-amplifier
- Standard models and customised units with grouped elements available
- Medium frequency and low frequency versions

Technical Specification

Streamers hydrophone, fluid filled with multi-elements

<table>
<thead>
<tr>
<th>Model number</th>
<th>AH1</th>
<th>AH360/8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tow leader</td>
<td>50m</td>
<td>50m</td>
</tr>
<tr>
<td>Array Tube type</td>
<td>Polyurethane</td>
<td>Polyurethane</td>
</tr>
<tr>
<td>Array tube length</td>
<td>4.5m</td>
<td>4.5m</td>
</tr>
<tr>
<td>Number of elements</td>
<td>1</td>
<td>8</td>
</tr>
<tr>
<td>Element spacing</td>
<td>n/a</td>
<td>360mm</td>
</tr>
<tr>
<td>Array sensitivity</td>
<td>-187dB ref 1V per μPa</td>
<td>-169dB ref 1V per μPa</td>
</tr>
<tr>
<td>Fluid type</td>
<td>Polydimethylsiloxane, PMX561</td>
<td>Polydimethylsiloxane, PMX561</td>
</tr>
<tr>
<td>Power</td>
<td>Battery, 9V alkaline, PP3/MN1604</td>
<td>Battery, 9V alkaline, PP3/MN1604</td>
</tr>
<tr>
<td>Frequency response</td>
<td>140Hz to 10kHz (-3dB)</td>
<td>140Hz to 10kHz (-3dB)</td>
</tr>
<tr>
<td>Signal output</td>
<td>Up to 8V peak to peak</td>
<td>Up to 8V peak to peak</td>
</tr>
<tr>
<td>Preamp</td>
<td>Single ended, fixed gain</td>
<td>Single ended, fixed gain</td>
</tr>
<tr>
<td>Connector type</td>
<td>BNC, 50/75 ohm cable can be used</td>
<td>BNC, 50/75 ohm cable can be used</td>
</tr>
</tbody>
</table>

Elements

| Dimensions | 55 x 16 x 10 mm | 55 x 16 x 10 mm |
| Sensitivity | -187dB ref 1V per μPa | -187dB ref 1V per μPa |
| Depth recoverable | 30m max | 30m max |
| Operating depth | Typical 10m | Typical 10m |
| Type | Non acceleration cancelling | Non acceleration cancelling |
| Resonance | @ 9 kHz | @ 9 kHz |
## Model number | AH250/12 | AH150/20
--- | --- | ---
Tow leader | 50m | 50m
Array Tube type | Polyurethane | Polyurethane
Array tube length | 4.5m | 4.5m
Number of elements | 12 | 20
Element spacing | 250mm | 150mm
Array sensitivity | -165dB ref 1V per μPa | -161dB ref 1V per μPa
Fluid type | Polydimethylsiloxane, PMX561 | Polydimethylsiloxane, PMX561
Power | Battery, 9V alkaline, PP3/MN1604 | Battery, 9V alkaline, PP3/MN1604
Frequency response | 140Hz to 10kHz (-3dB) | 140Hz to 10kHz (-3dB)
Signal output | Up to 8V peak to peak | Up to 8V peak to peak
Preamp | Single ended, fixed gain | Single ended, fixed gain
Connector type | BNC, 50/75 ohm cable can be used | BNC, 50/75 ohm cable can be used

### Elements

| | AH250/12 | AH150/20 |
--- | --- | ---
Dimensions | 55 x 16 x 10 mm | 55 x 16 x 10 mm |
Sensitivity | -187dB ref 1V per μPa | -187dB ref 1V per μPa |
Depth recoverable | 30m max | 30m max |
Operating depth | Typical 10m | Typical 10m |
Type | Non acceleration cancelling | Non acceleration cancelling |
Resonance | @ 9 kHz | @ 9 kHz |

## Model number | AH365/20 | AH610/24LF (Low Frequency)
--- | --- | ---
Tow leader | 50m | 50m
Array Tube type | Polyurethane | Polyurethane
Array tube length | 10m | 14
Number of elements | 20 | 24
Element spacing | 365mm | 610mm
Array sensitivity | -161dB ref 1V per μPa | -162dB ref 1V per μPa
Fluid type | Polydimethylsiloxane, PMX561 | Polydimethylsiloxane, PMX561
Power | Battery, 9V alkaline, PP3/MN1604 | 24Vdc
Frequency response | 140Hz to 10kHz (-3dB) | 115Hz to 7.2kHz (-3dB)
Signal output | Up to 8V peak to peak | Up to 8V peak to peak
Preamp | Single ended, fixed gain | Differential output, link adjustable gain
Connector type | BNC, 50/75 ohm cable can be used | BNC, 50/75 ohm cable can be used

### Elements

| | AH365/20 | AH610/24LF (Low Frequency) |
--- | --- | ---
Dimensions | 55 x 16 x 10 mm | 53 x 20mm |
Sensitivity | -187dB ref 1V per μPa | -192dB ref 1V per μPa |
Depth recoverable | 30m max | 30m max |
Operating depth | Typical 10m | Typical 10m |
Type | Non acceleration cancelling | Acceleration cancelling |
Resonance | @ 9 kHz | @ 9 kHz |

*Other element configurations are available to order*