The VSS system is an acoustical electronic navigational aid that enables the officer on watch to hear sound signals from other ships or fog horns when standing inside a totally enclosed bridge space.

**Features**

- The system is easy to operate
- The system has input for remote muting of the amplifier circuit when the vessel’s own horn is activated
- The system noise muting by squelch function
- The system has manual dimmer control
- Sector indication by use of LEDs
- The system has input for four VSS-222 microphones
- The microphones are waterproof, and for bulkhead mounting outside the wheelhouse

**Description**

The system is monitoring, according to requirements, frequencies between 70 and 820 Hz.

Four, VSS-222 weather proof microphones are mounted outside the wheelhouse and connected to the VSS-111 auto amplifier and load-speaker within the bridge.

By use of four microphones the VSS system will detect the direction of the incoming signal and activate the corresponding LED at the VSS-111 front panel.

The four microphones operate in pair depending on the direction of the received sound signal.

The microphone first detecting the sound will be registrated and it will lock against the influence from the other microphones. This will repeat each time a signal is strong enough to trig the detector.
Standards Applied
The equipment is designed to conform to the following standards:
• IMO resolution A.694 (17)

CE Marking
The equipment conforms to the relevant EU directives.

Type Approval
The Sound Reception system is type approved by:
• Det Norske Veritas (DNV) No.A-7886
• RINA No.ELE/1083002/2
• Bureau Veritas No.10754/A0 BV

Dimensions

<table>
<thead>
<tr>
<th></th>
<th>Height</th>
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<th>Depth</th>
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</tr>
</thead>
<tbody>
<tr>
<td>VSS-111</td>
<td>140mm</td>
<td>280mm</td>
<td>90mm</td>
<td>1.0kg</td>
</tr>
<tr>
<td>VSS-222</td>
<td>158mm</td>
<td>40mm(diameter)</td>
<td>0.9kg</td>
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Electrical
Operating voltage: 24 VDC

Environmental Specifications

<table>
<thead>
<tr>
<th>VSS-111</th>
<th>Anodized aluminium</th>
<th>IP 44</th>
<th>Black</th>
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<tbody>
<tr>
<td>VSS-222</td>
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<td>IP 65</td>
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Technical Specification

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<thead>
<tr>
<th>VSS-111</th>
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<th>&gt; 1%</th>
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<td>80-13000 Hz</td>
<td>RE50 Electro Voice dynamic</td>
<td>Omni-directional</td>
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Article Numbers
Sound Reception Panel - VSS-111: 4602832
Sound Reception Microphone - VSS-222: 4600601