**High-Speed Transom-Mount**
The S69, ST69 is the ultimate high-speed transom-mount sensor. The paddlewheel and housing do not project below the hull, which results in minimal spray and drag. Since the paddlewheel does not project below the hull, it is protected from damage by beaching, trailering, or objects in the water.

**Features**
- Speed only or Speed and temperature
- Built-in transom angle adjustment for quick installation and simple maintenance
- Patented flow channel directs water directly to the paddlewheel for optimal performance
- Square blade paddlewheel improves linearity and is accurate throughout the speed range
- Paddlewheel is easily removed for cleaning or replacement
- Housing design allows cable to exit via the left, right, or top to ease installation
- Optional pulse division circuitry or other pulse rates
- Optional over-voltage protection (OVP)
- Chemical and impact resistant plastic housing

**Applications**
- Outboard and inboard/outboard boats
- Jet boats and personal watercraft
- Stepped transom

**Transom-Mount 5.6 Hz**
As Airmar constantly improves its products, all specifications are subject to change without notice. All Airmar products are designed to provide high levels of accuracy and reliability, however they should only be used as aids to navigation and not as a replacement for traditional navigation aids and techniques. Other company or product names mentioned in this document may be trademarks or registered trademarks of their respective companies, which are not affiliated with Airmar.

### Technical Information

#### Nominal Pulse Rate

<table>
<thead>
<tr>
<th></th>
<th>Per Nautical Mile</th>
<th>Per Knot</th>
</tr>
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<tbody>
<tr>
<td>Paddlewheel</td>
<td>20,000 pulses</td>
<td>5.6 Hz</td>
</tr>
</tbody>
</table>

### SPECIFICATIONS

- **Weight:** 0.3 kg (0.6 lb)
- **Transom Angle:** 0° to 16°
- **Speed Range:** 4 to 50 knots (4.6 to 58 MPH)
- **Supply Voltage:** 5 VDC to 25 VDC

### DIMENSIONS

- **64 mm (2.50")**
- **70 mm (2.77")** maximum
- **58 mm (2.27")**
- **44 mm (1.75")**
- **15° Transom**
- **0° Transom**