# Product Specification:

## Operating Range/Environment:

<table>
<thead>
<tr>
<th>Range</th>
<th>internal antenna: to 1.5m through seawater</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>external antenna: to 3m through seawater</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Depth Rating</th>
<th>100m (standard)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>350m—4000m (option)</td>
</tr>
</tbody>
</table>

## Operating Temperature

-10 to + 60°C

## Storage Temperature

-20 to + 60°C

## Data:

### Storage

8MB of non-volatile memory

### I/Os

- 2 x 4-20mA inputs
- 4 x Digital outputs
- 2 x Digital inputs

### Data Interfaces

RS232, RS485, RS422, Ethernet (optional)

### Data Rate

2.4 kbaud – 4.8 kbaud

## Power Supply

6V – 30V external power supply or rechargeable internal batteries

### Power Consumption each unit:

- Transmitting: 7.5W
- Receiving: 0.25W

## Physical Characteristics:

### Dimensions

- PCB: 91mm x 45mm
- 100m/350m enclosure: 191mm x 85mm
- 4000m enclosure: 465mm x 170mm

### Additional features:

On board 3-axis accelerometer

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100m—350m enclosure

OEM version of S100

4000m version of S100

OEM version of S100
**seatooth® S100**
wireless datalogger

**Safety: Subsea Black Box**
- Black box functionality for offshore operations
- Logs up to 8MB of operational data
- Can integrate wirelessly with Subsea Control Modules
- Independent storage and data recovery
- Wireless data retrieval above the wellhead
- Allows data retrieval at safe distance

**Improved efficiency: Subsea data logging**
- Logging of multiple parameters such as pressure, flow, temperature etc.
- Ad-hoc data retrieval by ROV, no hardwire to surface, no physical retrieval of datalogger
- Cost effective compared to dedicated data retrieval mission

**Integrity Management: Wireless Sensors**
- Standard interfaces for wireless data communication with underwater vehicles
- Wireless harvest of data from subsea sensors
- Simple/flexible deployment of wireless subsea sensors
- More frequent and easier access to data — no wet mate connectors
- Reduced cost of intervention, surface support not required

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