The SulfiLogger™ H₂S sensor by Unisense continuously measures the concentration of H₂S directly in raw wastewater, enabling you to pinpoint target areas for further H₂S mitigation actions and thus optimizing your asset management strategies.

The sensor provides access to online data in real-time, which can be used as a direct input for chemical dosing algorithms. This will ensure exact dosing based on the actual presence of H₂S at any given time leading to a reduction in chemical consumption and running costs.

The SulfiLogger™ is designed with reliability, robustness and excellent usability in mind. The sensor is available with different mounting options allowing for easy deployment and maintenance in sewer networks.

- Continuous online monitoring
- Remote site logging
- Liquid & gas phase detection
- ATEX-approved (X1 series sensors)
- Factory calibrated
- Robust & durable design
- User-friendly
# Technical specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>S1-1020-5mgL&lt;br&gt;X1-1020-5mgL (ATEX)</th>
<th>S1-1120-5mgL&lt;br&gt;X1-1120-5mgL (ATEX)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application</td>
<td>Online monitoring</td>
<td>Online monitoring</td>
</tr>
<tr>
<td>Environment</td>
<td>Wastewater</td>
<td>Pressurized wastewater</td>
</tr>
<tr>
<td>Measurement range</td>
<td>0-5 mg/L</td>
<td>0-5 mg/L</td>
</tr>
<tr>
<td>Max water depth / pressure</td>
<td>10m</td>
<td>20-30V</td>
</tr>
<tr>
<td>Input power</td>
<td>20-30V</td>
<td>3 barg (44 psi)</td>
</tr>
<tr>
<td>Output data</td>
<td>RS-232 or 4-20mA</td>
<td>RS-232 or 4-20mA</td>
</tr>
<tr>
<td>Mounting</td>
<td>Free hanging</td>
<td>Inline</td>
</tr>
<tr>
<td></td>
<td>Wall mounted</td>
<td>Flow cell</td>
</tr>
</tbody>
</table>

## Mechanical specifications

- **Length**: 240 mm
- **Diameter**: Ø48.3 mm / 1 ½” pipe
- **Weight**: 0.85 kg
- **Material**: EN 1.4401 / SS 316L

## Other specifications

- **Warranty**: 12 months**
- **Recycling program**: Contact Unisense for more information
- **Certification**
  - CE
  - II 1G
  - Ex ia IIC T4 Ga

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*The ATEX certificate applies to X1 series sensors

**12 months warranty when used in accordance with the user manual