

SpillSens | ATEX Certified Digital Float Sensor | Monitor Sewage Rising Levels



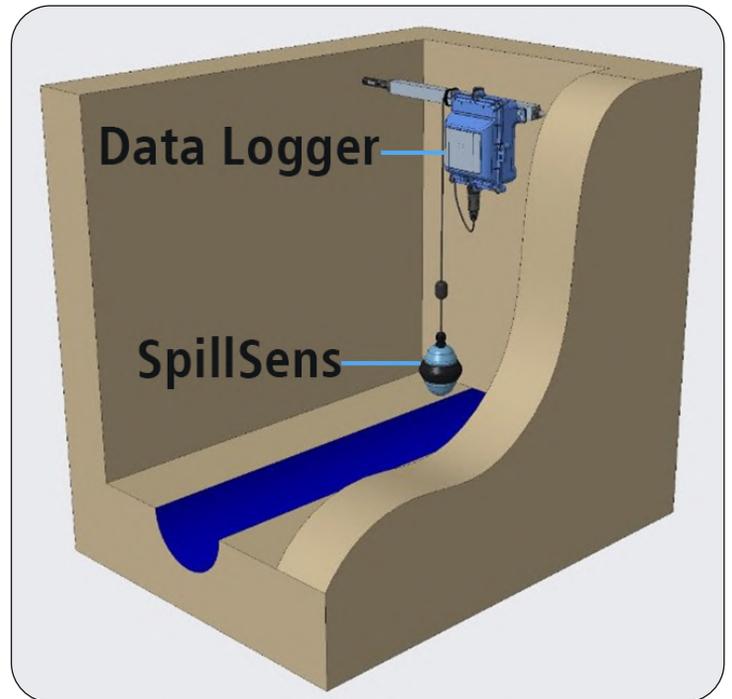
SpillSens is a Low-Cost, Multi-alarm Digital Float Sensor designed to act as an Early Warning System for Blockages and Sewer overflows for detecting rising Sewage/Wastewater exceeding critical levels in smaller/shallower Sewage lines chambers.

ATEX-approved and built to withstand harsh sewer environments, SpillSens uses digital positioning technology to **monitor rising levels in the waste water network**. When installed at a specific height in the chamber, SpillSens uses **digital positioning technology** to determine whether it is hanging vertically in mid-air or floating in wastewater.

As network levels alter, the tilt angle of the sensor is continuously monitored and if the tilt angle enters a **pre-set range**, **alert messages** are transmitted to the SpillGuard cloud based web portal.

Key Features and Benefits

- **Three levels of alert:** green, amber and red; based on the angle of the sensor:
 - Green - vertical orientation, network operating as expected
 - Amber - movement in orientation, high alert triggered
 - Red - sensor movement >110°, high/high alert triggered
- **Intrinsically safe:** Certified for use in Zone 0 hazardous areas.
- **No moving components:** Designed to have no moving parts, unlike traditional steel ball and micro-switch state sensors
- **Robust design:** Durable materials not adversely affected by long-term exposure to waste water environments
- **Cable length options:** Available with 0.5m, 1m, 2m or 3m cable lengths
- **Compatibility:** Works in conjunction with Intelligens WW and various other HWM data loggers
- **Online data viewing:** Via SpillGuard; providing Map View and a variety of valuable features



Applications

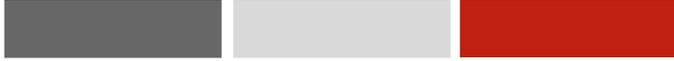
Connected to an advanced data logger with integral telemetry, alert messages are transmitted to a dedicated cloud server user portal.

SpillSens is a simple to install, robust and cost-effective solution for long-term level monitoring in waste water/sewage networks.

SpillSens can be connected to, and is powered by, a variety of HWM data loggers. For an intrinsically safe, robust and cost-effective solution we recommend **Intelligens WW**.

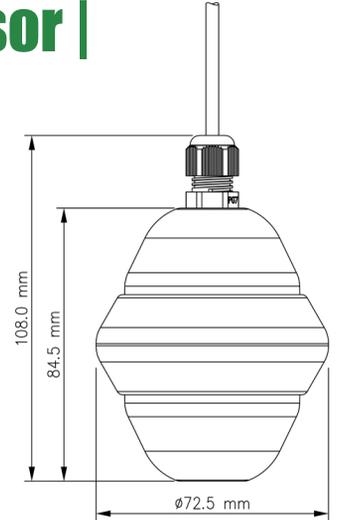
The datalogger transmits data through an integral modem with advanced cellular tech built in.

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Technical Specifications:

Feature	Specification
Operating Temp.	-20 to 60°C
Dimensions (HxD)	108mmx72.5 mm
Weight	130g (without cable)
Battery	Powered by connected data logger
Cables	0.5m, 1m, 2m or 3m lengths available



Complimentary Devices:

1 Intelligens WW

ATEX Certified Data Logger

Intelligens WW is a truly flexible data logger specifically engineered for the rigours of waste water applications. Inherently safe and built for compatibility, the versatile Intelligens logger can be tailored to meet a variety of specific user needs.

2 SpillGuard

Online Data Viewing Portal

SpillGuard is the dedicated online portal for the monitoring and fleet management of HWM's unique multi-level alert system.

Using Google Maps, SpillGuard provides a detailed map interface which colour codes the status of each individual installation. The three alert levels (green, amber and red) can be supplemented with user-assigned statuses, such as "site under investigation" or "alert cleared".

SpillGuard can display general site statistics and trends, as well as specific site details. Individual users and reports are managed using an advanced platform which includes the option to forward alarm messages via e-mail or SMS.



The screenshot shows the SpillGuard dashboard with the following data:

- Spill Events:** 3
- No Spills:** 7
- Events 24h:** 2
- Investigation:** 0
- Cleared:** 0
- Unspecified:** 2

Latest Events:

- Oakfield Road (about 1 hour ago)
- Mill Lane (about 17 hours ago)
- Salcombe Close (2 days ago)

Map: A map view showing the locations of events with color-coded markers (red for spill, orange for warning, green for investigation).

Current Status: warning (17 hours | 0 seconds)

Investigation: new

Previous events: For the last 14 days, 7 days with events, 119h events time.

Date: 06/07/20 @ 16:10