



SpillSens

ATEX Certified Digital Float Sensor



SpillSens is a low-cost, multi-alarm digital float sensor designed to act as an early warning system for blockages and sewer overflows.

ATEX-approved and built to withstand harsh sewer environments, SpillSens uses digital positioning technology to monitor rising levels in the waste water network. Connected to an advanced data logger with integral telemetry, alert messages are transmitted to a dedicated user portal.

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



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
 - Yellow - movement in orientation, high alert triggered
 - Red - sensor movement $>110^\circ$, high/high alert triggered
- Intrinsically safe: certified for use in Zone 0 hazardous areas (visit FCS website for certification details)
- 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 IS Log and various other FCS data loggers
- Online data viewing: via SpillGuard; providing Map View and a variety of valuable features

Applications

When installed at a critical 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 bespoke SpillGuard portal.

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

Intelligens transmits data through an integral modem with advanced cellular options available. Intelligens is also supplied with an external antenna connection that enables the use of a range of specialist antennas to ensure reliable communication on installations with low signal levels.

MONITORING ASSETS, DELIVERING DATA, BRINGING CONTROL

www.fluidconservation.com

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Operating Temp.	-20 to 60°C (-5 to 140°F)
Dimensions	Height = 108mm, Diameter = 72.5 mm
Weight	130g (without cable)
Battery	Powered by connected data logger
Cables	0.5m, 1m, 2m or 3m lengths available

SpillGuard

Online Data Viewing Portal

SpillGuard is the dedicated online portal for the monitoring and fleet management of FCS'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.

Intelligens

Data Logger

Intelligens is a data logger that is specifically engineered for the harsh conditions of Waste Water applications.

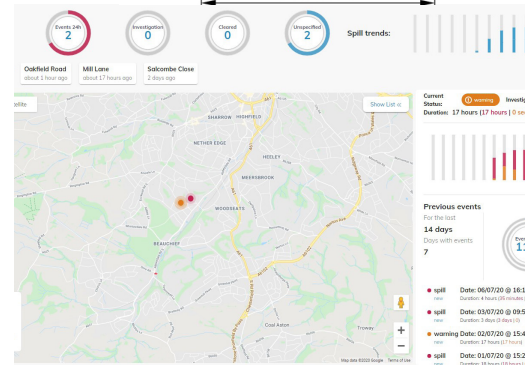
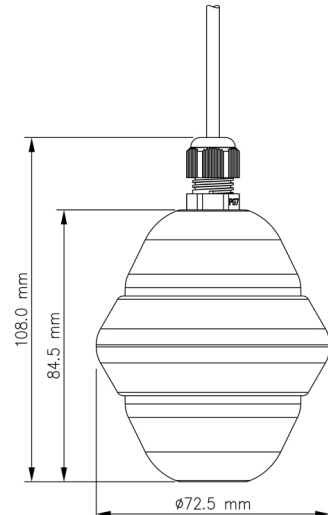
It is compatible with a number of sensors, depending on what type of data needs to be acquired. The device is IP68, making it fully waterproof under pressurized immersion.

Intelligen's flexible and waterproof design, when combined with its safety features in explosive environments make it a great fit for the SpillSens Digital Float Sensor.

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Fluid Conservation Systems

1960 Old Gatesburg Rd Ste 150
State College, PA 16803
United States

Tel: (800)531-5465
Email: sales@fluidconservation.com
Web: fluidconservation.com

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