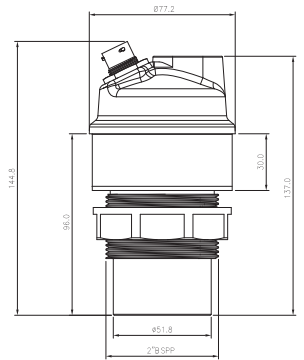# SonicSens 3

Ultrasonic Level Sensor

The intrinsically-safe ultrasonic level sensor developed for use in multiple applications, including **CSO** and **sewer level monitoring**.

SonicSens 3 uses intelligent ultrasonic technology to monitor networks and **prevent surcharge** and **spill events**, ensuring cost-effective **compliance** and damage limitation.

When deployed to conduct Event Duration Monitoring at Combined Sewer Overflows (CSO), SonicSens 3 alerts to surcharges, **reporting event occurrence**, **time** and **duration**, and because it avoids contact with its environment there is little need for scheduled maintenance.

Ultrasonic Measurement	AutoRanging: 150mm - 1m 200mm - 3m 300mm - 6m 300mm - 10m Resolution 1mm (1/25"). Built in temperature compensation Accuracy in air: ±6mm, @ 1m ±6mm, @ 3m ±5mm, @ 6m ±9mm, @ 10m Beam Angle: 10o at -3dB boundary Unwanted echo (obstruction) filtering
Operating Temp.	-20 to 60°C (-5 to 140°F)
Rating	ATEX/IEC certified to Zone 0
Construction	Potted PVDF plastic enclosure, IP68 submersible, stainless steel 316 brackets
Power Management (Logger)	>5 years battery life at 15 minute sample rate, Accelerated sampling on alarm available and alarm triggered
Dimensions	H = 145mm, D = 78mm (5.7" x 3.1")
Weight	700g

IS Log
ATEX Certified Data Logger

SonicSens 3 is powered by our intrinsically safe, highly versatile IS Log data logger. IP68 rated, with a typical five-year battery life, IS Log dependably delivers data through advanced cellular telemetry.

Key Features and Benefits

Easy to install: with multiple pre-set options in software, including automatic level/flow conversion

Unwanted echo filter: can remove noises caused by objects such as ladder rungs

Intrinsically safe : ATEX certified for use in Zone 0 hazardous areas

Contactless: avoids contact with sewer environment, reducing contamination and lowering maintenance costs

Compatibility: SonicSens 3 is compatible with a variety of HWM Global data loggers

Power options: sensor powered by logger with external battery pack available to extend system life and support more frequent call-in

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