

RadarSens

Radar Level Sensor

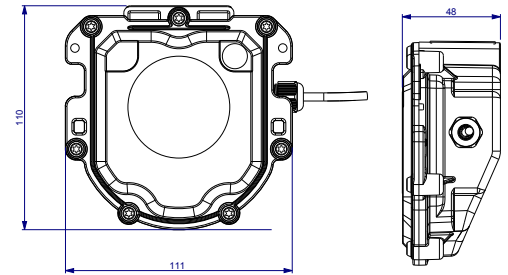
RadarSens is an intrinsically safe level monitoring system that uses radar sensing technology and advanced cellular telemetry to monitor and transmit waste water network level data.

RadarSens is **simple to install** and **cost-effective**, using a variety of stainless-steel, non-drill brace bars or conventional wall brackets for **'right first time' deployment**. Additionally, a laser alignment tool (supplied separately) is available to check the device is level and aligned correctly during the rapid installation.

Installation and local configuration is carried out using **Bluetooth® communication** between the logger and IDT App. This allows for in-chamber NB-IoT, LTE-M or 2G signal strength testing and sensor reflection tracing to significantly reduce the likelihood of call-in or poor data quality issues post deployment. Site information is collected and synchronised with the DataGate platform at same time as installation using the Installer App.



Operating Temp.	-20 to 60°C (-5 to 140°F)
Dimensions	H = 40mm, W = 110mm, D = 111mm (1.6" x 4.3" x 4.3")
Accuracy	±0.5%
Range	3m
Ingress Protection	IP68 rated
Rating	UKEx/ATEX/IEC Ex certified to Zone 0
Alarms	Multiple threshold, profile and pitch & role with additional diagnostics
Deployment	Drop-in alignment tool (supplied separately)
Antenna (Logger)	Bulgin
Battery (Logger)	Typical 5+ year battery life
Internal Cellular Modem (Logger)	Advanced cellular telemetry options available (contact HWM for more information)



IS Log

ATEX Certified Data Logger

RadarSens 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.



Laser Alignment Tool

RadarSens Deployment Support

The Laser Alignment Tool is a compact device that uses a laser to represent the trajectory of RadarSens sensor, providing a visual aid to the installer when looking for the optimum sensor position.



Key Features and Benefits

Radar technology: advanced and cost-effective radar sensor delivers precise data for long-term network monitoring

Intrinsically safe: certified for use in Zone 0 hazardous areas (visit hwmglobal.com for certification details)

Telemetry: compatible with NB-IoT, LTE-M and 2G cellular networks for futureproofing

Accurate: ±0.5% accuracy with a 3m range

Battery powered: typical 5+ year battery life

Bluetooth® connectivity: local Bluetooth® configuration allows for definitive in-chamber signal strength testing and sensor reflection tracing using the IDT app (Android and iOS)

Drop-in laser alignment tool: to assist installation and ensure the sensor is positioned correctly (supplied separately)

