

Radar Sensor 1 (RS-1)

An easily deployable non-contacting, low maintenance solution for remotely monitoring sewer levels.

The RS-1 is a low power, advanced RADAR sensor certified for monitoring in hazardous environments (Zone 0). Paired with compatible data loggers to record and transmit asset health metadata with each communication to the Technolog UtiliCore portal.

Key Features

- Advanced RADAR technology
- Detection of the development of blockages & network anomalies within sewer and wastewater networks
- Used in conjunction with Technolog's Cello XT and Cello 4 IS data loggers
- Waterproof to IP68
- Remote monitoring via the Technolog web solution WaterCore
- Non-contacting
- Fully certified for explosive atmospheres (ATEX Zone 0)
- Maintenance free



Technical Specifications

Sensor	– RADAR
Measurement	– Analogue Level Range: 0.2 to 4m Accuracy: +/- 5mm
Product Interfacing	– Cello XT (support for NB-IoT and LTE Cat M1 networks) – Cello 4 IS encoder (support for 2G (SMS/GPRS), NB-IoT and LTE Cat M1 networks) – Contact Technolog regarding existing model compatibility
Intrinsic Safety	Certified Intrinsically safe: CML 23UKEX2472X, CML 23ATEX2471X & IECEx CML 23.0163X II1G / Ex ia IIC T4 / Ta = -20°C to 60C
Environmental	Operating ambient temperature: -20°C to +60°C (-22°F to +140°F) Ingress protection classification: IP68 (4m / 1 week)
Mechanical	Dimensions (mm): 70mm (w) x 100mm (h) Weight: 0.370 kg (including 5m* cable) <i>*Additional cable lengths may be available upon request</i>

