

Angle Sensor 1 (AS-1)

Multi-application sewer sensor for Cello Sewer Monitors.

Compatible with existing Cello IS installations and the new Cello XT sewer logger. Provides valuable network insight from monitoring a wide range of sewer network assets with new metrics in addition to level.

Key Features

- Multi-application sewer contacting flow sensor
- The sensor combines an angle and temperature sensor within a small stainless steel probe
- Flow Rate Monitoring
- Temperature monitoring
 - Spill verification
 - Ingress / Infiltration monitoring
 - Flap valve operation monitoring
 - Pass forward flow monitoring
 - Misconnection monitoring
- Location Types: Spill walls, Flap Valves, Gullies, Inlet & outlet channels
- Waterproof to IP68
- Remote monitoring via the Technolog web solution WaterCore
- Low power operation
- Fully certified for explosive atmospheres (ATEX Zone 0)
- Maintenance free



Technical Specifications

Sensor	– Contacting flow sensor
Measurement	– Analogue angle accelerometer sensor with internal temperature sensor Range: Temperature: 0 - 60°C Accuracy: +/- 2°
Product Interfacing	– Cello XT (support for NB-IoT and LTE Cat M1 networks) – Cello 4S 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 24UKEX2016X / CML 24ATEX2015X / IECEx CML 24.0015X II 1 G D / Ex ia IIC T4 Ga / Ex ia IIIC T135°C Da / Ta = -20°C to +60°C
Environmental	Operating ambient temperature: -20°C to +60°C (-22°F to +140°F) Ingress protection classification: IP68 (1m / 24 hours)
Mechanical	Dimensions: 9.5 cm length (not including cable) Weight: 0.375 kg (including 10m cable)

