

# 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

<b>Sensor</b>	- Contacting flow sensor
<b>Measurement</b>	- Analogue angle accelerometer sensor with internal temperature sensor <b>Range:</b> Temperature: 0 - 60°C <b>Accuracy:</b> +/- 2°
<b>Product Interfacing</b>	- 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
<b>Intrinsic Safety</b>	<b>Certified Intrinsically safe:</b> 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
<b>Environmental</b>	<b>Operating ambient temperature:</b> -20°C to +60°C (-22°F to +140°F) <b>Ingress protection classification:</b> IP68 (1m / 24 hours)
<b>Mechanical</b>	<b>Dimensions:</b> 9.5 cm length (not including cable) <b>Weight:</b> 0.375 kg (including 10m cable)

