

An easily deployable non-contacting, low maintenance solution for remotely monitoring open-channel flow.

The MicroFlow-T is a low power, velocity sensor certified for monitoring in hazardous environments (Zone 0). Designed for use in combination with the Cello IS or GS to provide a cost effective remote monitoring solution for open channel velocity measurements.

## Key Features

- Advanced microwave surface velocity technology
- Measures surface velocity from 0.2 to 6m/s
- Used in conjunction with Technolog's CSO level sensor to provide accurate area and flow calculations
- Waterproof to IP68
- Remote monitoring via the Technolog web solution WaterCore
- Advanced profile and threshold alarms
- Low power operation
- Non-contacting
- Fully certified for explosive atmospheres (ATEX Zone 0)
- Maintenance free





# Technical Specifications

<b>Sensor</b>	- Microwave surface velocity measurement
<b>Range</b>	0.2 - 6m/s (0.66 - 19.7ft/s)
<b>Measurement</b>	<b>Accuracy:</b> The greater of $\pm 0.5\%$ or 0.05m/s (0.1ft/s) <b>Installation:</b> Install at an angle of 45° in line with the flow <b>Beam Angle:</b> 20° inclusive <b>Channel Width:</b> Max width 1.5m (4.92ft)
<b>Product Interfacing</b>	- Cello GS, Cello IS. - Contact Technolog regarding existing model compatibility
<b>Intrinsic Safety</b>	<b>Certified Intrinsically safe:</b> CML 16ATEX2331X / IECEx CML 16.105X II 1 G D / Ex ia IIC T4 Ga / Ex ia IIIC T135°C Da / Ta = -30°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 (mm):</b> Diameter 90 x height 140 <b>Weight:</b> 1.200 kg (including 10m cable)

