# MicroFlow - T

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## 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 4S to provide a cost effective remote monitoring solution for open channel velocity measurements.

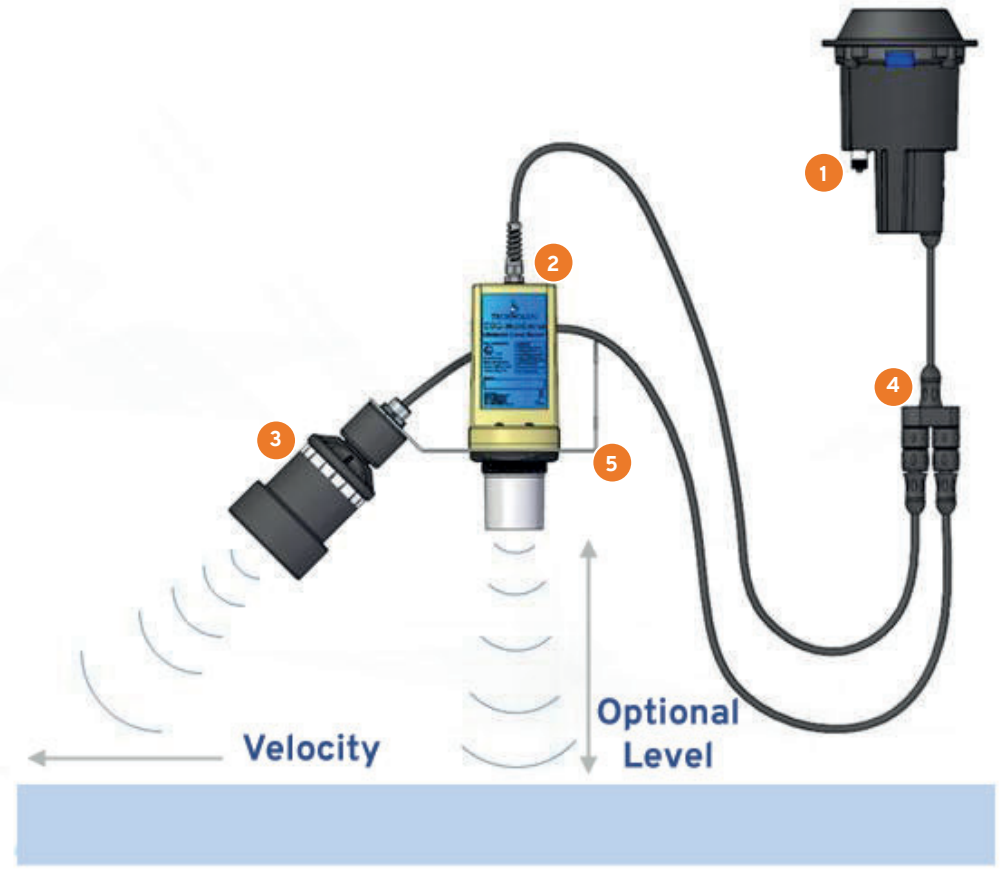
## Key Features

- 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

| | |
|---|---|
| **Sensor** | – Microwave surface velocity measurement |
| **Range** | 0.2 - 6m/s (0.66 - 19.7ft/s) |
| **Measurement** | **Accuracy:** The greater of ±0.5% or 0.05m/s (0.1ft/s)<br>**Installation:** Install at an angle of 45° in line with the flow<br>**Beam Angle:** 20° inclusive<br>**Channel Width:** Max width 1.5m (4.92ft) |
| **Product Interfacing** | – Cello IS or Cello 4S (No ATEX)<br>– Contact Technolog regarding existing model compatibility |
| **Intrinsic Safety** | **Certified Intrinsically safe:**<br>CML 16ATEX2331X / IECEx CML 16.0105X<br>II 1 G D / Ex ia IIC T4 Ga / Ex ia IIIC T135°C Da / Ta = -30°C to +60°C |
| **Environmental** | **Operating ambient temperature:** -20°C to +60°C (-22°F to +140°F)<br>**Ingress protection classification:** IP68 (1m / 24 hours) |
| **Mechanical** | **Dimensions (mm):** Diameter 90 x height 140<br>**Weight:** 1.200 kg (including 10m cable) |




**Various stainless steel mounting brackets available from Technolog**

| | Product |
|---|---|
| 1 | Cello IS |
| 2 | CSO Monitor |
| 3 | MicroFlow-T |
| 4 | Adaptation Cable |
| 5 | Bracket |

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