

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

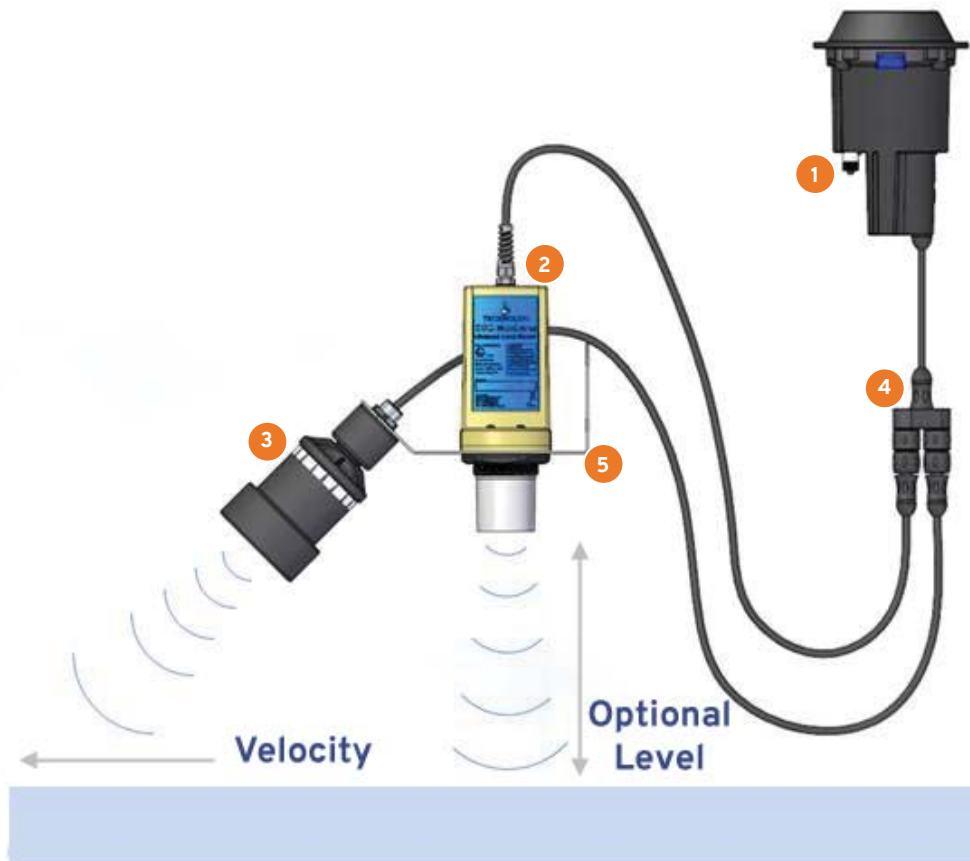
- Advanced microwave surface velocity technology
- Measures surface velocity from 0.2 to 6m/s
- Used in conjunction with Technolog's CSO level sensor to provide accurate area and flow calculations
- Waterproof to IP68
- Remote monitoring via the Technolog web solution WaterCore
- Advanced profile and 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 $\pm 0.5\%$ or 0.05m/s (0.1ft/s) Installation: Install at an angle of 45° in line with the flow Beam Angle: 20° inclusive Channel Width: Max width 1.5m (4.92ft)
Product Interfacing	- Cello IS or Cello 4S (No ATEX) - Contact Technolog regarding existing model compatibility
Intrinsic Safety	Certified Intrinsically safe: CML 16ATEX2331X / IECEx CML 16.0105X 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) Ingress protection classification: IP68 (1m / 24 hours)
Mechanical	Dimensions (mm): Diameter 90 x height 140 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