

Ultrasonic Flow Meter (UFM)

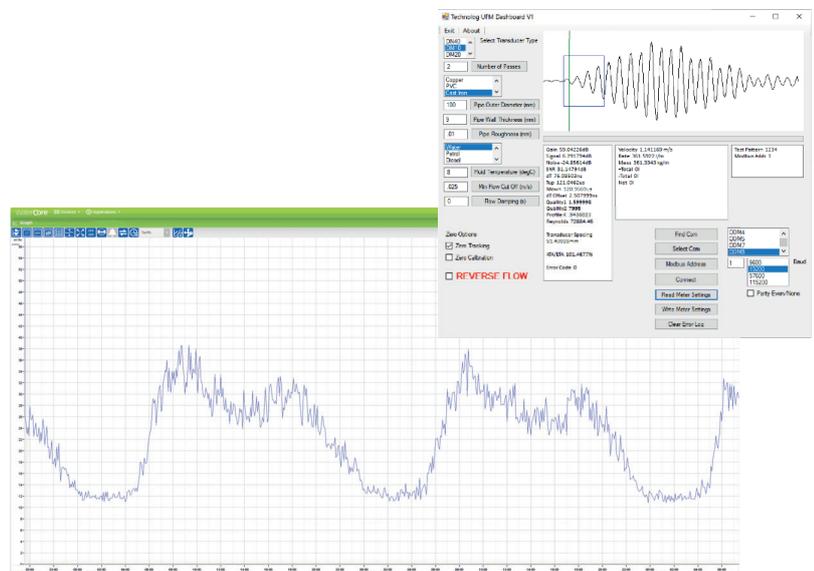


Quick to deploy, low power clamp on ultrasonic flow meter, ideal for temporary or permanent flow monitoring in DMAs, network optimisation and general leakage detection.

Paired with Technolog's Cello 4S, the UFM accessory provides cost-effective non-invasive DMA leakage monitoring, easy to install and long battery life.

Key Features

- Non-invasive and cost-effective way to obtain high quality flow data
- Suitable for temporary or permanent installation, particularly where non-operational or missing meters affect leakage investigations
- Ideal for replacing non-operational meters or creating sub DMAs for leakage identification and tracking
- Ultrasonic sensor metadata and data quality metrics are recorded on dedicated channels to enable remote validation of every flow reading
- Suitable for long, medium or short term flow monitoring for leakage assessment and DMA optimisation
- Wide pipe diameter range from 25 mm to 750 mm
- Fully submersible, waterproof to IP68 (1 m for 24 hours)
- Remote data access and configuration via Technolog web-based Utilicore
- Maintenance free, with no moving parts and non-intrusive installation
- No interruption of supply
- Over 2 years of battery life under standard operating conditions





Technical Specifications

Sensor	- Ultrasonic transit time flow meter
Measurement	- Principle Ultrasonic transit time difference Velocity Range: 0.01 to 25 m/s Repeatability: 0.15% of measured value Accuracy: Accuracy +/- 1 to 3% of measured value depending on application, +/- 0.5% of measured value with process calibration against reference meter
Product Interfacing	- Cello 4S RS485 (support for 2G (SMS/GPRS), NB-IoT and LTE Cat M1 networks) - Contact Technolog regarding existing model compatibility - Setup via RS485 to USB communication cable and windows software
Pipe Materials	<ul style="list-style-type: none">• Carbon steel• Stainless steel• Copper• PVC• Cast Iron• Ductile Iron• HDPE
Transducers	Supports outer pipe diameters of 25 to 750mm Material stainless steel and PEEK Temperature range -10°C to +60°C Standard transducer cable length 5m Contact Technolog regarding larger pipe diameters
Environmental	Operating ambient temperature: -20°C to +60°C Ingress protection classification: IP68 (1m / 24 hours)
Mechanical	Enclosure Dimensions: 140mm (L) x 65mm (W) 40mm (H) max Transducers Dimensions 55x 20 x 25mm ideal for locations with limited access Stainless steel mounting bracket fitted as standard Weight: 0.600 kg (including mounting bracket and transducers)

