

WATER MONITORING SOLUTIONS



Bubbler Flowmeter

BubbleFLO



- Open channels level measurement
- Hydraulic tables (height/flow) are available with Winfluid software
- Various optional inputs
- Multiples outputs for sampling, alarms ...
- Ease of installation and use



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Applications

The BubbleFLO flowmeter is used for several applications:

- Wastewater network and natural environment diagnosis,
- Wastewater treatment plant self-monitoring,
- Control and regulatory monitoring of urban and industrial wastewater discharge in open channels



Technical specifications

Overflow shutter compatible

Level measurement	Measurement principle	By bubble (hydrostatic pressure measurement)
	Rate of bubble	1 bubble / second (depending on water height and compression cycle)
	Range	0 to 1000 mm
	Accuracy	0,3% FS, temperature compensation
	Purge	Automatic at start-up, every 6 hours and in case of bubbling air tube obstruction
	Tracking speed	<ul style="list-style-type: none"> ○ 14 cm/minute in 10 meters tube (4/6mm) ○ 9 cm/minute in 30 meters tube 4/6mm
	Maximum tube length	30 meters
Data Logging	Memory	65 536 data (per input)
	Frequency	1 second to 24 hours
Display	Water height value (in mm) without level correction when the button is pressed	
Power Supply	Internal	<ul style="list-style-type: none"> ○ Lead - 12V 7Ah ○ Lithium 7,2 VDC for memory
	Autonomy	<ul style="list-style-type: none"> ○ > 3 months for lead battery (1 recording / 2 minutes) ○ 5 years for Lithium battery
Optional inputs	<ul style="list-style-type: none"> ○ 1 digital ○ 1 external pressure ○ 1 bi-directional flow 	
Outputs	2 contact outputs for sampling	
Communication	RS232	
Programming	Software	Winfluid (programming, real time measurement, downloading and data processing)
	Flow calculation	Internal based on height/flow table programmed
Operating temperature	-20 to + 60 °C	
Storage temperature	-30 to +70 °C	
Construction	Copolymer polypropylene	
Dimensions	305 x 270 x 194 mm	
Weight	5,3 kg (with battery)	
Immersion	IP65 (suitcase closed)	
Warranty	24 months	

Products available for sales and rental. Please contact us for more information.