WUF

Wetnet Uplink Flowmeter

wetnet
true monitoring of water networks
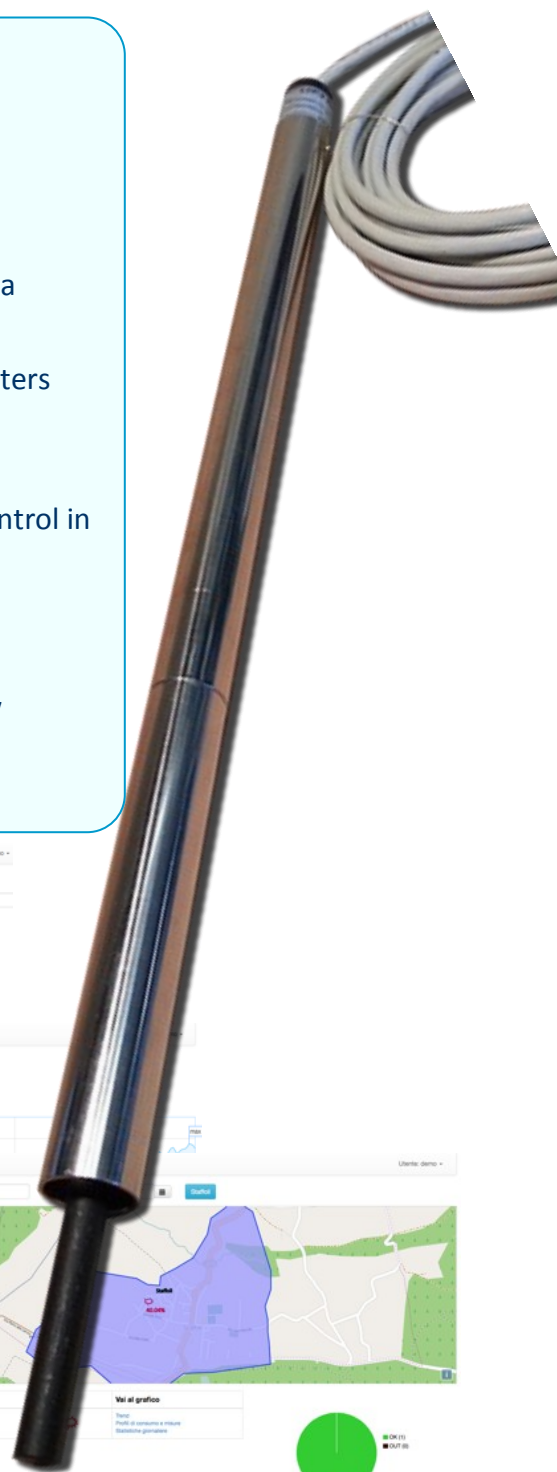
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- Insertion low cost bidirectional flowmeter
- Measurement Range from 0.1 to 1.8 m/sec
- Low power and normal operation mode
- 4-20mA analogue output
- Provided of internal GSM/GPRS module for data transmission
- Provided of analogical inputs for reading external meters
- SD card for data logging
- USB interface for settings and data downloading
- RS-485 serial interface for programming and data control in Modbus protocol
- Electronic controller with display
- Simple hydraulic operations for pipe preparing
- Hot tap insertion without interrupting the water flow
- Sensor housed in IP68 stainless steel enclosure

BRE ELETTRONICA s.r.l.
Telemetry Systems

www.wetnet.it

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The **WUF** flowmeter is a versatile instrument designed to be used in situations that may differ for the type of power supply, the type of application, the interfacing and data sending.

The simplicity of installation, the low cost, the versatility, the good performances make the **WUF** suited for districtualization and monitoring of water grids and for all other general purpose applications of water flow measurement.

WUF can be used wired to an existent RTU or as a all-in-one instrument with data logging and remote data sending functions.

The installation requires simples hydraulic operations and the insertion, setup and activation can be performed without interrupting the water flow.

The display shows all measured inputs and helps the user in setting operations in order to optimize the operation of the instrument according to the specific need water flow.
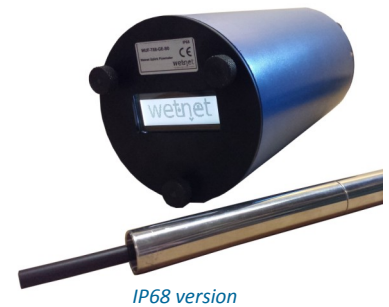
Main applications

- Low cost flow measurement
- Districtualization of water grids
- Periodic campaigns of measurement
- Flow and analogue inputs data logging
- Stand alone and wired application

IP68 version

Main features:

Instrument type	Flowmeter bi-directional
Range of use	0,1 - 1,8 m/sec
Accuracy	Better than the 5% on reading in the 70% of measuring range
Precision	Better than the 4% on reading in the 70% of measuring range
Power supply	7,2—30 Vcc
Power consumpion in stand-by / sampling	Less than 10mW / less than 50mW
Analogue inputs	No. 3 (4-20mA/0-5V)
Display	Graphic 122x32 pixels
RS-485 interface	Modbus protocol
USB interface	For setting and downloading data
Modem	GSM/GPRS triband
Memory card	SD 2Gb
Operation / storage temperature	-10÷45°C / -20÷60°C
Housing	Sensor: stainless steel Inox AISI316; diameter 22, length 435mm. Other length on request. Controller: PC 160x110x60mm with DIN attach (IP42)
Degree of protection	Sensor: IP68. Controller: IP42 o IP68 on request