

AFLOWT UF

ULTRASONIC DIGITAL FLOW METER



AFLOWT ®

Flow
Measurement
Equipment

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ULTRASONIC DIGITAL FLOW METER



- digital signal processing, high noise immunity;
- DN range from 10 mm up to 5000 mm;
- stable operation in spite of weak signal on aged piping;
- reliable metering on fluid parameters alteration;
- easy commissioning;
- bidirectional flow measurement;
- clamp-on and wetted transducers;
- no pressure loss in pipeline;
- batching mode to measure the dose;
- multi-beam measuring;
- up to 4 pipes with one electronic unit;
- waterproof transducers;
- MID and OIML certified;
- ISO 9001:2008 certified.

Application:

- hot and cold process and potable water;
- waste water;
- acids;
- alkalis;
- liquid foods.

Specification:

Parameter	wetted PEA	clamp-on PEA
Nominal diameter of the pipeline, DN	10-5000	50-5000
Accuracy, %, with flowrate range from 1:100: - single-beam sounding - two-beam sounding - four-beam sounding	± 2 ± 1 ± 0,5	
Flow velocity range, m/s	0.1-20	
Fluid temperature range, °C	minus 30- 160	minus 30-150
Ambient temperature for transmitter, °C	0-50	
Maximum pipeline pressure*, MPa/bar	2.5/25	-
Transmitter / transducers protection	IP54/IP68	
Measurement data logging, number of records: - hourly log - daily log - monthly log - programmable - batching	1440 60 48 14400 512	
Power supply, VDC	24	
Power consumption, VA	under 12	
Transmitter weight, kg	under 3	
Transmitter dimensions, mm	250x132x90	

* - on request is possible to supply pipeline sections with wetted PEAs designed for up to 25 MPa/250 bar pressure.

Outputs:

- LCD;
- pulse or logic digital output (up to 8 additional digital outputs on request);
- RS-232/RS-485 serial interface (ModBus);
- 0-5, 0-20, or 4-20 mA analog output (on request);
- Ethernet (on request).