

# AFLOWT MFT

MAGNETIC FLOW METER



Flow  
Measurement  
Equipment

- Available in sizes from DN 10 to 300 mm (3/8" - 12");
- High grade stainless steel, titanium, or tantalum integrated grounding and measuring electrodes;
- Suitable for direct burial and constant flooding;
- Easy commissioning, automatic uploading of calibration values and settings;
- High accuracy and stability of measurement;
- High resistance to external action;
- Connection type - wafer (DN 10, 15 mm), flanged (DN 20-300 mm), threaded (DN 15; DN 32; DN 50; DN 80;);
- Full pipe detection;
- Bidirectional flow measurement;
- Suitable for mounting on polymer pipes;
- Graphic backlit LCD, contactless keyboard;
- OIML certified, MID certificate DE-10-MI001-PTB012;
- Integrability into automatic industrial control systems;
- Calculation of mass and total mass.

## Application:

- water abstraction;
- water treatment;
- water distribution network;
- custody transfer flow meters;
- irrigation;
- waste water treatment;
- filtration plants;
- industrial water applications;
- acids, alkalis, alkaline solutions, reagents;
- paper pulps;
- liquid foods.

## Specification:

Parameter	Value
Pipe size, DN, mm	10 - 300
Accuracy, %	from $\pm 0.35$
Repeatability, %	under 0.2
Maximum pipeline pressure, MPa: - for standard-type connection - for threaded-type connection	2.5 (4.0 on request) 1.6
Minimum conductivity, $\mu\text{S}/\text{cm}$	1
Fluid temperature range, °C: - for PTFE lining	minus 10 - 150
Ambient temperature range, °C	minus 20 - 70
Protection	IP67 (IP68 on request)
Power supply, VDC	24

## Outputs:

- LCD;
- 0-5, 0-20, or 4-20 mA analog output;
- 2 pulse output;
- RS-485 interface (Modbus or Profibus);
- Ethernet;
- Control input (button).

## Design (material):

- flanges and housing for devices DN20 - DN150 and housing for all other devices – stainless steel (AISI 304);
- flanges and housing for devices DN200 - DN300 – carbon steel;
- lining – PTFE;
- electrodes – stainless steel, titanium, tantalum, etc.