

Electromagnetic flowmeters

Series FLOMID



Electromagnetic flowmeter for conductive liquids

- Flow rate measurement is independent of density, temperature, viscosity and pressure
- Pulsed coil excitation to obtain a minimum zero drift
- No moving parts involve low maintenance, low pressure drop and allows the pass of solids
- Can be mounted in any position (full pipe required)
- Can be installed with short straight pipe sections of minimum 5 x DN before and 3 x DN after the flowmeter
- Good chemical resistance
- Flow rate: 10 l/h ... 14100 m³/h
- Accuracy: $\pm 0.5\%$ reading value
- Minimum electric conductivity: 20 $\mu\text{S}/\text{cm}$
- Connections:
 - Between EN 1092-1 or ANSI flanges: DN3 ... DN150
 - EN 1092-1 or ANSI flanges: DN10 ... DN1000
 - Sanitary connections: DN10 ... DN100
According to ISO 2852, SMS 1145, DIN 11851, TRI-CLAMP®
- Other standards on request
- Materials:
 - Lining in PP, PVDF, PTFE and Ebonite (hard rubber)
 - Electrodes in Hastelloy C22 (UNS-06022), Titanium, EN 1.4404 (AISI 316L), Tantalum, Zirconium
 - Flow tube in EN 1.4301 (AISI 304)
- Local indication, volume totalizer, 4-20 mA and pulse outputs
- Alarms, empty pipe detection, etc. depending on converter model
- Full diagnosis for MX4 converter
- HART and Modbus Communication protocols available on request
- Modular design in two versions:
 - Compact converter, mounted on top of the sensor
 - Remote converter for wall or pipe mounting



HART
COMMUNICATION PROTOCOL

Modbus