

Applications

- 🔧 **Water & Wastewater** - distribution networks, irrigation, sludge/sewage, water treatment, leakage management, desalination, marine, checking of pumps and water wells
- 🔧 **Petrochemical/chemicals** - corrosive liquids, dosing of additives, chemicals, industrial water, waste water, pulp liquids
- 🔧 **Paper & Pulp** - colorants, bleaches, additives
- 🔧 **Construction** - building material slurry, industrial water
- 🔧 **Sanitary** - potable water metering, food & beverage, pharmaceutical, medium and high density fluids, blending, dosing, batching

Advantages

MAGS1 is a stand-alone version of flowmeter, which does not need a transmitter and can be operated on its own. If you need a low cost flowmeter without readable display and outputs, this will be the right one!

Inexpensive solution for application with existing PLC System with RS485 Modbus RTU communication system.

No display; fully operational electromagnetic flowmeter.

Cost-effective solution for installations where local display is not needed.

Features

The simple version is fed with 24VDC and has output/communication, a standard RS485 line on Modbus RTU protocol.

- 🔧 Auto-diagnostics
- 🔧 ±0.2% accuracy
- 🔧 Cable length up to 500m

Technical specifications

Power supply	24VDC ± 10% @ 0.5A max
Communication	RS485 - Modbus RTU
Min. media electrical conductivity	≥5µS/cm ≥20µS/cm for demineralized water
Flow range	0.1 to 10 m/s
Accuracy	±0.2% (0.5 to 10m/s) of actual value
Connection types	DIN, ANSI, JIS flanged. Other types on request
Flange material	Carbon steel as standard. Dimensions according to DIN EN 1092-1, ASME B 16.5, JIS B 2239
Nominal size	DN20-DN600
Maximum nominal pressure	PN40/300 psi
Max. media temperature	70°C (158°F) for Hard Rubber liner, 130°C (266°F) for PTFE liner
Ambient temperature	-20 to 60°C (-4 to 140°F)
Sensor protection	IP68 (Nema 6), IP67 (Nema 5)
Liner	Hard Rubber, PTFE, other material on request, WRAS approved material available for sizes up to DN600
Electrodes	Hastelloy C-276 as a standard, other materials on request
Measuring tube	Stainless steel 1.4301 dimensions according to EN 10027-2
Outer casing	Carbon steel (1.0036) as standard
External coating	Lacquered finish (anticorrosive)
Accessories options	Earthing rings for plastic and lined pipes
Coils resistance	80/100 Ω
Other features	Earthing through 3rd and 4th electrode Self-cleaning electrodes Empty pipe detection Auto-diagnostics Test of excitation coils Zero flow adjusting

