

Flowsensor type 2551 (Magmeter)

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The GF Signet 2551 Magmeter is a magnetic inductive flow sensor with no moving parts. The patented design is available in corrosion-resistant materials that offer long-term maximum reliability and minimum maintenance costs. Possible versions are PP with stainless steel, PVDF with Hastelloy-C, or PVDF with titanium. This flow sensor can be combined with the Signet installation fittings.

The insertion depth depends on the pipe diameter in which the flow sensor is installed; the lengths V0 and V1 are available as standard. This versatile, easily installed sensor provides accurate flow rate measurements over a wide dynamic range.

The Magmeter offers various output options, including an analog, digital and relay output.

APPLICATION

Chemical industry, (waste) water monitoring, swimming pools and aquaria, irrigation systems

CHARACTERISTICS

- ✓ Patented Magmeter technology for very accurate measurement even in contaminated water
- ✓ No moving parts and head losses
- ✓ Bidirectional flow
- ✓ Broad flow rate range and suitable for pipes DN15 to DN300 and empty pipe detection
- ✓ Analogue (4 to 20 mA), digital and relay output
- ✓ Corrosion-resistant materials; PP, PVDF, Hastelloy-C, or titanium, PP or PVDF mounting
- ✓ Various menu languages available
- ✓ Available in lengths V0 and V1

TECHNICAL DATA

General

Flow range	: 0.05 - 10 m/s
Pipe sizes	: DN15 - DN300
Maximum pressure	: 10.3 bar (at 25°C) / 1.4 bar (at 85°C)
Maximum temperature	: 85 °C
Ambient temperature	: -10 - 70 °C
Relative humidity	: 0 - 95 % (non-condensing)

Electrical

Linearity	: +/- 1% of read-out
Accuracy	: +/- 0.5% of read-out
Output signal	: analogue (4 - 20 mA), digital / frequency, relay output

Materials

Sensor (body / electrodes)	: PP / stainless steel (316LSS)
Sensor option	: PVDF with stainless steel (316LSS) / titanium / Hastelloy-C
O-rings	: FPM
O-ring option	: EPDM
Display	: polyamide

INSTALLATION & MAINTENANCE

Installation

- ✓ One of the special Signet T-pieces or saddles can be used for installation in the pipe; pay attention to the corresponding length of the sensor relative to the installation fitting used.
- ✓ Observe the enclosed installation instructions for accurate measurement.

Maintenance

- ✓ Various spare parts available on request, including a separate display, O-rings, transducer.