

Proline Promag 10W

Electromagnetic flowmeter

Flowmeter for basic water and wastewater applications with a highly cost-efficient transmitter



More information and current pricing:

www.at.endress.com/10W

Benefits:

- Flexible engineering – sensor with fixed or lap-joint process connections
- Reliable measurement – accurate measured values even with 0 x DN inlet run
- Improved plant availability – sensor compliant with industry-specific requirements
- Cost-effective – designed for easy applications and direct integration
- Safe operation – display provides easy readable process information
- Fully industry compliant – IEC/EN/NAMUR

Specs at a glance

- **Max. measurement error** $\pm 0,5\%$ o.r. ± 2 mm/s ($\pm 0,5\%$ o.r. $\pm 0,08$ in/s)
- **Measuring range** 9 dm³/min to 110 000 m³/h (2.5 gal/min to 700 Mgal/day)
- **Medium temperature range** 0 to +80 °C (+32 to +176 °F), -20 to +50 °C (-4 to +122 °F)
- **Max. process pressure** PN 40, Class 300, 20K
- **Wetted materials** Liner: polyurethane; hard rubber

Field of application: Thanks to its international approvals (e.g. for drinking water), Promag W serves a wide variety of applications. Combined with the Promag 10 transmitter for basic applications and direct integration, Promag 10W offers accurate measurement of liquids for a wide range of applications. It will be the preferred solution for

customers aiming for minimized cost of ownership. Promag 10W is available as compact or remote version.

Features and specifications

Liquids

Measuring principle

Electromagnetic

Product headline

The sensor with degree of protection IP68 (Type 6P enclosure) combined with a highly cost - effective transmitter. The specialist in the water and wastewater industry for the most demanding applications.

Sensor features

Secure, reliable long - term operation – robust and completely welded sensor. Energy - saving flow measurement – no pressure loss due to cross - section constriction. Maintenance - free – no moving parts. International drinking water approvals. Degree of protection IP68 (Type 6P enclosure).

Transmitter features

Cost-effective – designed for easy applications and direct integration. Safe operation – display provides easily readable process information. Fully industry compliant – IEC/EN/NAMUR. 2-line display with push buttons. Device as compact or remote version.

Nominal diameter range

DN 25...2000
1"...78"

Wetted materials

Liner: polyurethane; hard rubber

Measured variables

Volume flow

Max. measurement error

$\pm 0,5\%$ o.r. ± 2 mm/s ($\pm 0,5\%$ o.r. $\pm 0,08$ in/s)

Liquids

Measuring range

9 dm³/min to 110 000 m³/h (2.5 gal/min to 700 Mgal/day)

Max. process pressure

PN 40, Class 300, 20K

Medium temperature range

0 to +80 °C (+32 to +176 °F), -20 to +50 °C (-4 to +122 °F)

Ambient temperature range

-40 to +60 °C (-40 to +140 °F)

Sensor housing material

DN 25 to 300 (1 to 12"): AlSi10Mg, coated

DN 25 to 2000 (1 to 78"): Carbon steel with protective varnish

Sensor connection housing (standard): AlSi10Mg, coated

Sensor connection housing (option): Polycarbonate

Transmitter housing material

Powder-coated die-cast aluminum

Degree of protection

Degree of protection: IP66/67, type 4X enclosure; IP68, type 6P enclosure

Display/Operation

Two line display

Push buttons

Outputs

4...20mA + pulse,-/status (configurable)

Digital communication

HART

Power supply

AC 20 to 28 V

AC 85 to 250 V

AC 20 to 28 V / DC 11 to 40 V

Liquids

Hazardous area approvals

FM
CSA

Product safety

CE, C-tick, EAC marking

Pressure approvals and certificates

Certificate/Test: PED/VDS

Hygienic approvals and certificates

Drinking water approval: ACS, KTW/W270, NSF 61, WRAS BS 6920

More information www.at.endress.com/10W