

# Proline Promag 10W electromagnetic flowmeter

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



More information and current pricing:

[www.cz.endress.com/10W](http://www.cz.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.  $\pm 2$  mm/s ( $\pm 0,5\%$  o.r.  $\pm 0,08$  in/s)
- **Measuring range** 9 dm<sup>3</sup>/min to 110 000 m<sup>3</sup>/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

Sensor with degree of protection IP68 (Type 6P enclosure) with a highly cost-effective transmitter.

The specialist in the water and wastewater industry for the most demanding applications.

#### Sensor features

Flexible engineering – sensor with fixed or lap-joint process connections.

Reliable measurement – accurate measured values even with 0 x DN inlet run. Maintenance - free – no moving parts.

International drinking water approvals. Degree of protection IP68 (Type 6P enclosure). 2-line display with push buttons.

#### 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.

Device as compact or remote version. HART.

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

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## Liquids

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**Measuring range**

9 dm<sup>3</sup>/min to 110 000 m<sup>3</sup>/h (2.5 gal/min to 700 Mgal/day)

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**Max. process pressure**

PN 40, Class 300, 20K

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**Medium temperature range**

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

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**Ambient temperature range**

-40 to +60 °C (-40 to +140 °F)

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**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

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**Transmitter housing material**

Powder-coated die-cast aluminum

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**Degree of protection**

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

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**Display/Operation**

Two line display

Push buttons

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**Outputs**

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

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**Digital communication**

HART

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**Power supply**

AC 20 to 28 V

AC 85 to 250 V

AC 20 to 28 V / DC 11 to 40 V

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## Liquids

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### Hazardous area approvals

FM

CSA

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### Product safety

CE, C-tick, EAC marking

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### Pressure approvals and certificates

Certificate/Test: PED/VDS

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### Hygienic approvals and certificates

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

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