

# Proline Promag 10D electromagnetic flowmeter

The highly cost-effective flowmeter, available as compact wafer



from **¥116,104.00**

Price as of 10.08.2022

More information and current pricing:

[www.jp.endress.com/10D](http://www.jp.endress.com/10D)

## Benefits:

- Easy, fast centering of the sensor – innovative housing construction
- Energy-saving flow measurement – no pressure loss due to cross-section constriction
- Cost-effective – designed for easy applications and direct integration
- Safe operation – display provides easy readable process information
- Fully industry compliant – IEC/EN/NAMUR
- Maintenance-free – no moving parts

## Specs at a glance

- **Max. measurement error** Volume flow:  $\pm 0.5\%$  o.r.  $\pm 2$  mm/s ( $\pm 0.5\%$  o.r.  $\pm 0.08$  in/s)
- **Measuring range** 9 to 4700 dm<sup>3</sup>/min (2.5 to 1250 gal/min)
- **Medium temperature range** 0 to +60 °C (+32 to +140 °F)
- **Max. process pressure** PN 16, Class 150, 10K
- **Wetted materials** Liner: Polyamide Electrodes: 1.4435 (316L)

**Field of application:** Promag D, available as wafer version, is designed for all applications where space is at a minimum. It is the preferred choice for basic applications in the water industry. Combined with the highly cost-effective Promag 10 transmitter, Promag 10D is the ideal solution for measurement of liquids for various applications and available in a compact or remote version.

## Features and specifications

## Liquids

### Measuring principle

Electromagnetic

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### Product headline

The highly cost-effective flowmeter designed as compact wafer version. For basic water applications, optimized for limited space and plastic pipe installations.

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### Sensor features

Easy, fast centering of the sensor – innovative housing construction. Energy - saving flow measurement – no pressure loss due to cross section constriction. Maintenance - free – no moving parts. Short face-to-face length and low weight. Integrated ground disks made of stainless steel. International drinking water approvals.

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### 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. HART.

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### Nominal diameter range

DN 25 to 100 (1 to 4")

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### Wetted materials

Liner: Polyamide  
Electrodes: 1.4435 (316L)

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### Measured variables

Volume flow

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### Max. measurement error

Volume flow:  $\pm 0.5\%$  o.r.  $\pm 2$  mm/s ( $\pm 0.5\%$  o.r.  $\pm 0.08$  in/s)

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### Measuring range

9 to 4700 dm<sup>3</sup>/min (2.5 to 1250 gal/min)

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## Liquids

**Max. process pressure**

PN 16, Class 150, 10K

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**Medium temperature range**

0 to +60 °C (+32 to +140 °F)

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**Ambient temperature range**

-20 to +60 °C (-4 to +140 °F)

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**Sensor housing material**

AlSi10Mg, coated

Sensor connection housing: AlSi10Mg, coated

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**Transmitter housing material**

Powder - coated die - cast aluminum

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**Degree of protection**

Compact version: IP66&67, type 4X enclosure

Sensor remote version: IP66/67, type 4X enclosure

Transmitter remote version: IP 67, type 4X enclosure

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**Display/Operation**

2 - line display with push buttons

Configuration via local display and operating tools possible

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**Outputs**

4 - 20 mA HART (active)

Pulse/switch output (passive)

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**Inputs**

None

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**Digital communication**

HART

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**Power supply**

DC 11 to 40 V

AC 85 to 250 V (45 to 65 Hz)

AC 20 to 28 V (45 to 65 Hz)

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## Liquids

### **Hazardous area approvals**

FM  
CSA

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### **Product safety**

CE, C-tick, EAC marking

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### **Metrological approvals and certificates**

Calibration performed on accredited calibration facilities (acc. to ISO/IEC 17025)

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### **Hygienic approvals and certificates**

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

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More information [www.jp.endress.com/10D](http://www.jp.endress.com/10D)