

Proline Promag 10D electromagnetic flowmeter

The highly cost-effective flowmeter, available as compact wafer



from **THB37,269.04**

Price as of 10.08.2022

More information and current pricing:

www.th.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. ± 2 mm/s ($\pm 0.5\%$ o.r. ± 0.08 in/s)
- **Measuring range** 9 to 4700 dm³/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

Product headline

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

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.

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.

Nominal diameter range

DN 25 to 100 (1 to 4")

Wetted materials

Liner: Polyamide
Electrodes: 1.4435 (316L)

Measured variables

Volume flow

Max. measurement error

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

Measuring range

9 to 4700 dm³/min (2.5 to 1250 gal/min)

Liquids

Max. process pressure

PN 16, Class 150, 10K

Medium temperature range

0 to +60 °C (+32 to +140 °F)

Ambient temperature range

-20 to +60 °C (-4 to +140 °F)

Sensor housing material

AlSi10Mg, coated

Sensor connection housing: AlSi10Mg, coated

Transmitter housing material

Powder - coated die - cast aluminum

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

Display/Operation

2 - line display with push buttons

Configuration via local display and operating tools possible

Outputs

4 - 20 mA HART (active)

Pulse/switch output (passive)

Inputs

None

Digital communication

HART

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)

Liquids

Hazardous area approvals

FM
CSA

Product safety

CE, C-tick, EAC marking

Metrological approvals and certificates

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

Hygienic approvals and certificates

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

More information www.th.endress.com/10D