Promag 10D



More information and current pricing:
www.de.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: ±0.5 % o.r. ± 2 mm/s (±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

Product headline

std_productprofile_product_usp_8063.
For basic water applications, optimized for limited space and plastic pipe installations.

Liquids

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.
std_productprofile_product_differentiating_tech_features_8071.
std_productprofile_product_differentiating_tech_features_8072.
International drinking water approvals.

Transmitter features

std_productprofile_product_benefits_34707_1508943674.
std_productprofile_product_benefits_34705_1508943673.
std_productprofile_product_benefits_34706_1508943673.
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: ±0.5 % o.r. ± 2 mm/s (±0.5 % o.r. ± 0.08 in/s)

Measuring range

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

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)

Liquids

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)

Hazardous area approvals
FM
CSA

Product safety
CE, C-tick, EAC marking

Liquids

Metrological approvals and certificates

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

Hygienic approvals and certificates

Drinking water approval: ACS, KTW-BWGL, NSF 61, WRAS BS 6920

More information **www.de.endress.com/10D**

Endress+Hauser
(Deutschland) GmbH+Co. KG
Germany

addresses.endress.com
info.de@endress.com