Proline Promag 10P electromagnetic flowmeter

The flowmeter for highest medium temperatures with a highly cost-effective transmitter

More information and current pricing:

www.endress.com/10P

Benefits:

- Versatile applications – wide variety of wetted materials
- Energy-saving flow measurement – no pressure loss due to cross-section constriction
- Maintenance-free – no moving parts
- Cost-effective – designed for easy applications and direct integration
- Safe operation – display provides easily readable process information
- Fully industry compliant – IEC/EN/NAMUR

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** 4 dm3/min to 9600 m3/h (0.5 gal/min to 44000 gal/min)
- **Medium temperature range** −40 to +130℃ (−40 to +266℉)
- **Max. process pressure** PN40 Cl. 300 JIS 20K AS 2129 Table E
- **Wetted materials** Liner: PTFE Electrodes: 1.4435 (316L); Alloy C22, 2.4602 (UNS N06022)

Field of application: Promag P is the preferred sensor for applications with highest requirements in a multitude of industries. Combined with the Promag 10 transmitter for basic applications and direct integration, Promag 10P is dedicated for chemical and process applications with corrosive liquids and high medium temperatures. It will be the preferred solution for customers aiming for minimized cost of ownership. Promag 10P is available as compact or remote version.

Endress+Hauser

Features and specifications

Liquids

Measuring principle

Electromagnetic

Product headline

The flowmeter for highest medium temperatures with a highly cost-effective transmitter.
Dedicated to chemical and process applications with corrosive liquids and high medium temperatures.

Sensor features

Diverse applications – wide variety of wetted materials. Energy-saving flow measurement – no pressure loss due to cross section constriction.
Maintenance-free – no moving parts.
Nominal diameter: max. DN 600 (24"). All common process connections.
Liner made of PTFE.

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 15 to 600
1/2" to 24"

Wetted materials

Liner: PTFE
Electrodes: 1.4435 (316L); Alloy C22, 2.4602 (UNS N06022)

Measured variables

Volume flow

Max. measurement error

Volume flow: ±0,5% o.r. ± 2 mm/s (±0,5% o.r. ± 0,08 in/s)

Liquids

Measuring range

4 dm3/min to 9600 m3/h (0.5 gal/min to 44000 gal/min)

Max. process pressure

PN40
Cl. 300
JIS 20K
AS 2129 Table E

Medium temperature range

−40 to +130℃ (−40 to +266℉)

Ambient temperature range

−40 to +60 ℃ (−40 to +140 ℉)

Sensor housing material

DN 15 to 300 (½ to 12"): AlSi10Mg, coated
DN 350 to 600 (14 to 24"): Carbon steel with protective varnish

Transmitter housing material

Powder-coated die-cast aluminum

Degree of protection

Standard: IP 67 (Type 4X enclosure) for transmitter and sensor
Optional: IP 68 (Type 6P enclosure) for remote version of sensor

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

Liquids

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

Metrological approvals and certificates

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

Pressure approvals and certificates

PED

More information **www.endress.com/10P**

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