

# Proline Promag D 400 electromagnetic flowmeter

## Wafer flowmeter for the water and wastewater industry



Lisätietoja ja ajankohtainen hinnasto:

[www.fi.endress.com/5D4C](http://www.fi.endress.com/5D4C)

### Edut:

- 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
- Safe operation – no need to open the device due to display with touch control, background lighting
- Time-saving local operation without additional software and hardware – integrated web server
- Integrated verification – Heartbeat Technology

### Tärkeimmät tekniset tiedot

- **Max. measurement error** Volume flow:  $\pm 0.5\%$  o.r.  $\pm 1$  mm/s (0.04 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)

**Käyttöalue:** The wafer flowmeter Promag D is designed for all basic water applications where space is at a minimum. Its innovative housing construction enables a customized and fast centering as well as a cost-optimized installation. Promag D 400 saves time and costs thanks to the broad functionality of its water- and wastewater-optimized transmitter. In addition, Heartbeat Technology ensures measurement reliability and compliant verification.

### Ominaisuudet ja tiedot

## Liquids

### Mittausperiaate

Electromagnetic

---

### Product headline

Wafer flowmeter for the water and wastewater industry.

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

Safe operation – no need to open the device due to display with touch control, background lighting. Time - saving local operation without additional software and hardware – integrated web server. Integrated verification – Heartbeat Technology.

Transmitter housing made of durable polycarbonate or aluminium.

WLAN access. Integrated data logger: measured values monitoring.

---

### Nominal diameter range

DN 25...100

1"...4"

---

### Wetted materials

Liner: Polyamide

Electrodes: 1.4435 (316L)

---

### Measured variables

Volume flow, mass flow

---

### Max. measurement error

Volume flow:  $\pm 0.5$  % o.r.  $\pm 1$  mm/s (0.04 in/s)

---

### Measuring range

9 to 4700 dm<sup>3</sup>/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**

Polycarbonat; AlSi10Mg, coated

---

**Degree of protection**

Compact version: IP66/67, type 4X enclosure

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

Transmitter remote version: IP66/67, Type 4X enclosure

---

**Display/Operation**

4 - line backlit display with touch control (operation from outside)

Configuration via local display, web browser and operating tools possible

---

**Outputs**

3 outputs:

0 - 20 mA/4 - 20 mA HART (active)

Pulse/frequency/switch output (passive)

Pulse/frequency output (passive)

Switch output (passive)

---

**Inputs**

Status input

---

**Digital communication**

HART, PROFIBUS DP, EtherNet/IP, Modbus RS485

---

## Liquids

### Power supply

AC 100 to 240 V / AC/DC 24 V

---

### Hazardous area approvals

cCSAus

---

### Product safety

CE, C-tick, EAC marking

---

### Metrological approvals and certificates

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

---

### Pressure approvals and certificates

CRN

---

### Hygienic approvals and certificates

ACS, KTW/W270, NSF 61, WRAS BS 6920

---

Lisätietoja [www.fi.endress.com/5D4C](http://www.fi.endress.com/5D4C)