

# Proline Promag D 400 / 5D4C



Meer informatie en actuele prijzen:

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

## Voordelen:

- Eenvoudige, snelle centrering van de sensor – innovatieve behuizing
- Energiebesparende flowmeting – geen drukverlies door vernauwing van de doorsnede
- Onderhoudsvrij – geen bewegende onderdelen
- Veilige bediening – geen noodzaak om het instrument te openen dankzij display met aanraakbediening en achtergrondverlichting
- Tijdbesparende lokale bediening zonder aanvullende software en hardware – geïntegreerde webserver
- Geïntegreerde verificatie – Heartbeat Technology

## Overzicht specificaties

- **Max. meetfout** 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)

**Toepassingsgebied:** De wafer flowmeter Promag D is ontworpen voor alle watertoepassingen waar de ruimte beperkt is. De innovatieve behuizing maakt een aangepaste en snelle centrering mogelijk, evenals een kostenefficiënte installatie. De Promag D 400 bespaart u tijd en geld dankzij de brede functionaliteit van de transmitter, die voor water en afvalwater is geoptimaliseerd. Bovendien garandeert de Heartbeat Technology betrouwbare metingen en verificaties volgens de regels.

## Kenmerken en specificaties

Liquids

Meetprincipe

Electromagnetic

## Liquids

### 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. meetfout

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)

### Max. process pressure

PN 16, Class 150, 10K

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## Liquids

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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

Polycarbonat; AlSi10Mg, coated

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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: IP66/67, Type 4X enclosure

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### Display/Operation

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

Configuration via local display, web browser and operating tools possible

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### Outputs

3 outputs:

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

Pulse/frequency/switch output (passive)

Pulse/frequency output (passive)

Switch output (passive)

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### Inputs

Status input

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### Digital communication

HART, PROFIBUS DP, EtherNet/IP, Modbus RS485

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### Power supply

AC 100 to 240 V / AC/DC 24 V

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## Liquids

### **Hazardous area approvals**

cCSAus

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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), NAMUR

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### **Pressure approvals and certificates**

CRN

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### **Hygienic approvals and certificates**

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

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