

# Promag 50H



More information and current pricing:

[www.ch.endress.com/50H](http://www.ch.endress.com/50H)

## Benefits:

- Flexible installation concept – numerous hygienic process connections
- Energy-saving flow measurement – no pressure loss due to cross-section constriction
- Fast commissioning – application-specific Quick Setups
- 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**  $\pm 0.5\% \pm 0.2\%$  (optional)
- **Measuring range** 0...600 m<sup>3</sup>/h
- **Medium temperature range** -20...+150°C (-4...+302°F)
- **Max. process pressure** PN16 to 40
- **Wetted materials** Liner: PFA Electrodes: 1.4435 (316L); Alloy C22, 2.4602 (UNS N06022); Tantalum; Platinum Process Connections: stainless steel, 1.4404 (F316L); PVDF; PVC Seals: O-ring seal (EPDM, FKM, Kalrez), aseptic molded seal (EPDM, FKM, silicone) Grounding Rings: stainless steel, 1.4435 (316L); Alloy C22, 2.4602 (UNS N06022); tantalum

**Field of application:** Promag H is the preferred sensor for applications with highest requirements in the food & beverage and life science industries. Combined with the proven Promag 50 transmitter with push buttons, Promag 50H offers highly accurate measurement of liquids for a wide range of standard applications. Promag 50H is available in a compact or remote version.

## Features and specifications

Liquids

**Measuring principle**

Electromagnetic

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## Liquids

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### Product headline

The flowmeter for smallest flow rates with a modular electronic concept. For demanding hygienic applications.

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### Sensor features

Flexible installation concept – numerous hygienic process connections. Energy-saving flow measurement – no pressure loss due to cross-section constriction. Maintenance-free – no moving parts. ner made of PFA . Sensor housing made of stainless steel (3-A, EHEDG).

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### Transmitter features

Fast commissioning – application-specific Quick Setups. Safe operation – display provides easy readable process information. Fully industry compliant – IEC/EN/NAMUR. 2-line backlit display with push buttons. Device in compact or remote version.

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### Nominal diameter range

DN 2...150  
1/12"...6"

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### Wetted materials

Liner: PFA  
Electrodes: 1.4435 (316L); Alloy C22, 2.4602 (UNS N06022); Tantalum; Platinum  
Process Connections: stainless steel, 1.4404 (F316L); PVDF; PVC  
Seals: O-ring seal (EPDM, FKM, Kalrez), aseptic molded seal (EPDM, FKM, silicone)  
Grounding Rings: stainless steel, 1.4435 (316L); Alloy C22, 2.4602 (UNS N06022); tantalum

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### Measured variables

Volume flow

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### Max. measurement error

±0.5%  
±0.2% (optional)

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**Liquids****Measuring range**0...600 m<sup>3</sup>/h

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**Max. process pressure**

PN16 to 40

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**Medium temperature range**

-20...+150°C

(-4...+302°F)

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**Ambient temperature range**

-20...+60°C

-40...+60°C (optional)

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**Degree of protection**

IP 67 (NEMA 4x)

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**Display/Operation**

Two line display with backlit

Push button

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**Outputs**

4...20 mA

Pulse/Frequency

Status

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**Inputs**

Status

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**Digital communication**

HART

PROFIBUS PA

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**Hazardous area approvals**

ATEX, FM, CSA

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**Product safety**

CE, C-tick, EAC marking

Liquids

Hygienic approvals and certificates

3-A, EHEDG

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