

Promag 55H



More information and current pricing:

www.ch.endress.com/55H

Benefits:

- Flexible installation concept – numerous hygienic process connections
- Energy-saving flow measurement – no pressure loss due to cross-section constriction
- Highest performance – with integrated solids measurement for demanding fluids
- Highest safety – integrated electrode cleaning
- Automatic recovery of data for servicing
- Maintenance-free – no moving parts

Specs at a glance

- **Max. measurement error** $\pm 0.25\%$
- **Measuring range** 0...600 m³/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 adhesive sleeve 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 and beverage and life science industries. Combined with the Promag 55 transmitter with touch control, four line display and extended functionality like software options for solids flow, electrode cleaning or advanced diagnostics, Promag 55H offers highest accuracy in the most complex and demanding measuring tasks.

Features and specifications

Liquids

Measuring principle

Electromagnetic

Product headline

The flowmeter for smallest flow rates with integrated solids content diagnostics. For demanding hygienic applications.

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. Liner made of PFA. Sensor housing made of stainless steel (3-A, EHEDG).

Transmitter features

Highest performance – with integrated solids measurement for demanding fluids. Highest safety – integrated electrode cleaning. Automatic recovery of data for servicing. 4-line backlit display with touch control. Two switch outputs.

Nominal diameter range

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

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 adhesive sleeve
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

Max. measurement error

±0.25%

Liquids

Measuring range0...600 m³/h**Max. process pressure**

PN16 to 40

Medium temperature range

-20...+150°C

(-4...+302°F)

Degree of protection

IP 67 (NEMA 4x)

Display/Operation

Four line display with backlit

Touch control

Outputs

4...20 mA

Pulse / frequency(active/passive)

Relais

Status

Inputs

Status

Current input

Digital communication

HART

PROFIBUS PA

FOUNDATION Fieldbus

Hazardous area approvals

ATEX, FM, CSA

Product safety

CE, C-tick, EAC marking

Liquids

Hygienic approvals and certificates

3-A, EHEDG

More information www.ch.endress.com/55H