

## Promag 53H



Thông tin thêm và mức tính giá hiện tại:

[www.apsc.endress.com/53H](http://www.apsc.endress.com/53H)

### Lợi ích:

- Flexible installation concept – numerous hygienic process connections
- Energy-saving flow measurement – no pressure loss due to cross-section constriction
- Quality – software for filling and dosing, density, electrode cleaning and also advanced diagnostics
- Easy calculation – bidirectional totalizers
- Automatic recovery of data for servicing
- Maintenance-free – no moving parts

### Tổng quan về thông số kỹ thuật

- **Max. measurement error**  $\pm 0.2\%$
- **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 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

**Phạm vi ứng dụng:** Promag H is the preferred sensor for applications with highest requirements in the food & beverage and life science industries. Combined with the Promag 53 transmitter with touch control, four line display and extended functionality like software options for filling and dosing, electrode cleaning or advanced diagnostics, Promag 53H offers highest accuracy in the most complex and demanding measuring tasks. Promag 53H is available in a compact or remote version.

### Tín năng và thông số kỹ thuật

## Liquids

### Measuring principle

Electromagnetic

---

### Product headline

The flowmeter for smallest flow rates with flexible system integration. 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

Quality – software for filling & dosing, density, electrode cleaning and also advanced diagnostics. Easy calculation – bidirectional totalizers. Automatic recovery of data for servicing. 4-line backlit display with touch control. Device in compact or remote version.

---

### 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

---

### Measured variables

Volume flow

---

---

**Liquids****Max. measurement error**

±0.2%

---

**Measuring range**

0...600 m<sup>3</sup>/h

---

**Max. process pressure**

PN16 to 40

---

**Medium temperature range**

-20...+150°C

(-4...+302°F)

---

**Ambient temperature range**

-20...+60°C

-40...+60°C (optional)

---

**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

Profibus DP

FOUNDATION Fieldbus

---

## Liquids

---

### Hazardous area approvals

ATEX, FM, CSA

---

### Product safety

CE, C-tick, EAC marking

---

### Hygienic approvals and certificates

3-A, EHEDG

---

Thông tin bổ sung [www.apsc.endress.com/53H](http://www.apsc.endress.com/53H)