

# Promag 53P



More information and current pricing:

[www.ie.endress.com/53P](http://www.ie.endress.com/53P)

## Benefits:

- Versatile applications – wide variety of wetted materials
- Energy-saving flow measurement – no pressure loss due to cross-section constriction
- Maintenance-free – no moving parts
- Quality – software for filling and dosing, density, electrode cleaning and also advanced diagnostics
- Easy calculation – bidirectional totalizers
- Automatic recovery of data for servicing

## Specs at a glance

- **Max. measurement error**  $\pm 0.2\%$
- **Measuring range** 0...9'600 m<sup>3</sup>/h
- **Medium temperature range** -40...+180°C (-40...+356°F)
- **Max. process pressure** PN10...40 CI 150...300 JIS 10...20K AS 2129 Table E AS 4087 PN16

**Field of application:** Promag P is the preferred sensor for applications with highest requirements in a multitude of 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 53P offers highest accuracy in the most complex and demanding measuring tasks. It is dedicated to chemical and process applications with corrosive liquids and high medium temperatures.

## Features and specifications

Liquids

**Measuring principle**

Electromagnetic

## Liquids

### Product headline

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Dedicated to chemical and process applications with corrosive liquids and medium temperatures.

### Sensor features

Diverse applications – wide variety of wetted materials. Energy-saving flow measurement – no pressure loss due to cross section constriction. Maintenance no moving parts.

Nominal diameter: max. DN 600 (24"). All common Ex approvals. Liner material PFA.

### Transmitter features

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### Nominal diameter range

DN 15...600

1/2"...24"

### Max. measurement error

±0.2%

### Measuring range

0...9'600 m<sup>3</sup>/h

### Max. process pressure

PN10...40

CI 150...300

JIS 10...20K

AS 2129 Table E

AS 4087 PN16

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## Liquids

**Medium temperature range**

-40...+180°C  
(-40...+356°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)  
IP 68 (Nema 6P)

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**Display/Operation**

Four line display with backlit  
Touch control

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**Outputs**

4...20 mA  
Pulse / frequenz (aktive/passive)  
Relays  
Status

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**Inputs**

Status  
Current input

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**Digital communication**

HART  
PROFIBUS PA  
Profibus DP  
FOUNDATION Fieldbus

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**Hazardous area approvals**

ATEX, FM, CSA

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**Product safety**

CE, C-tick, EAC marking

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