

# Promag 50P



More information and current pricing:

[www.se.endress.com/50P](http://www.se.endress.com/50P)

## 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
- Fast commissioning – application-specific Quick Setups
- Safe operation – display provides easily readable process information
- Fully industry compliant – IEC/EN/NAMUR

## Specs at a glance

- **Max. measurement error**  $\pm 0.5\%$   $\pm 0.2\%$  (optional)
- **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 proven Promag 50 transmitter with push buttons, Promag 50P offers highly accurate measurement of liquids for a wide range of applications. Promag 50P is dedicated to chemical and process applications with corrosive liquids and high medium temperatures. Promag 50P is available as compact or remote version.

## Features and specifications

Liquids

**Measuring principle**

Electromagnetic

## Liquids

### Product headline

The flowmeter for highest medium temperatures with a modular electronic concept.

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

### Sensor features

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

Maintenance - free – no moving parts.

Nominal diameter: max. DN 600 (24"). All common Ex approvals. Liner made of PTFE or PFA.

### Transmitter features

Quality – designed for custody transfer; featuring worldwide recognized metrological approvals. Safe operation – display provides easily readable process information. Fully industry-compliant – IEC/EN/NAMUR.

2-line backlit display with push buttons. Device as compact or remote version. HART, PROFIBUS PA/DP.

### Nominal diameter range

DN 15...600

1/2"...24"

### Max. measurement error

±0.5%

±0.2% (optional)

### 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

## 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**

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, IECEX, NEPSI, FM, CSA

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**Product safety**

CE, C-tick, EAC marking

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**Pressure approvals and certificates**

PED, CRN

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