

Promag 50P



More information and current pricing:

www.si.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 m³/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 m³/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)

Ambient temperature range

-20...+60°C
-40...+60°C (optional)

Degree of protection

IP 67 (NEMA 4x)
IP 68 (Nema 6P)

Display/Operation

Two line display with backlit
Push button

Outputs

4...20 mA
Pulse/Frequency
Status

Inputs

Status

Digital communication

HART
PROFIBUS PA

Hazardous area approvals

ATEX, IECEX, NEPSI, FM, CSA

Product safety

CE, C-tick, EAC marking

Pressure approvals and certificates

PED, CRN

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