

Promag 53P



More information and current pricing:

www.si.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 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 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

The flowmeter for highest medium temperatures with flexible system integration.

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 – 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 as compact or remote version. HART, PROFIBUS PA/DP, Modbus RS485, FF, EtherNet/IP.

Nominal diameter range

DN 15...600

1/2"...24"

Max. measurement error

±0.2%

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

Four line display with backlit
Touch control

Outputs

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

Inputs

Status
Current input

Digital communication

HART
PROFIBUS PA
Profibus DP
FOUNDATION Fieldbus

Hazardous area approvals

ATEX, FM, CSA

Product safety

CE, C-tick, EAC marking

More information www.si.endress.com/53P