

## Promag 53W



More information and current pricing:

[www.in.endress.com/53W](http://www.in.endress.com/53W)

### Benefits:

- Secure, reliable long-term operation – robust and completely welded sensor
- 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...110'000 m<sup>3</sup>/h
- **Medium temperature range** -20...+80°C (-4...+176°F)
- **Max. process pressure** PN6...40 CI 150...300 JIS 10...20K AWWA Class D AS 2129 Table E AS 4087 PN16

**Field of application:** Promag W is the specialized sensor for all applications in the water industry. Combined with the Promag 53 transmitter with touch control, 4-line display and extended functionality like software options for filling and dosing, electrode cleaning or advanced diagnostics, Promag 53W offers highest accuracy in the most complex and demanding measuring tasks. Promag 53W is available as compact or remote version.

### Features and specifications

Liquids

**Measuring principle**

Electromagnetic

## Liquids

### Product headline

The sensor with IP68 (Type 6P incl.) combined with a transmitter with flexible system integration .

The specialist in the water and wastewater industry for the most demanding applications.

### Sensor features

Secure, reliable long - term operation – robust and completely welded sensor. Energy - saving flow measurement – no pressure loss due to cross section constriction. Maintenance - free – no moving parts. International drinking water approvals. Degree of protection IP68 (Type 6P enclosure).

### 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 25...2000

1"...78"

### Max. measurement error

±0.2%

### Measuring range

0...110'000 m<sup>3</sup>/h

### Max. process pressure

PN6...40

CI 150...300

JIS 10...20K

AWWA Class D

AS 2129 Table E

AS 4087 PN16

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## Liquids

**Medium temperature range**

-20...+80°C  
(-4...+176°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/Frequency (active/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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