

Promag 53W



More information and current pricing:

www.ch.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 m³/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 m³/h

Max. process pressure

PN6...40

CI 150...300

JIS 10...20K

AWWA Class D

AS 2129 Table E

AS 4087 PN16

Liquids

Medium temperature range

-20...+80°C
(-4...+176°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/Frequency (active/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.ch.endress.com/53W