

Promag 50W



More information and current pricing:

www.it.endress.com/50W

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
- 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...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 proven Promag 50 transmitter with push buttons, Promag 50W offers highly accurate measurement of liquids for a wide range of standard applications. Promag 50W is available as compact or remote version.

Features and specifications

Liquids

Measuring principle

Electromagnetic

Liquids

Product headline

The sensor with degree of protection IP68 (Type 6P enclosure) and a modular electronic concept.

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 – 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 25...2000

1"...78"

Max. measurement error

±0.5%

±0.2% (optional)

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

Two line display with backlit
Push button

Outputs

4...20 mA
Pulse/Frequency
Status

Inputs

Status

Digital communication

HART
PROFIBUS PA/DP

Hazardous area approvals

ATEX, IECEX, NEPSI, FM, CSA

Product safety

CE, C-tick, EAC marking

Pressure approvals and certificates

PED, CRN

Hygienic approvals and certificates

Drinking water approvals: ACS, NSF 61, KTW/W270, WRAS BS6920

More information www.it.endress.com/50W