

Proline Promag 51W electromagnetic flowmeter

Sensor with degree of protection IP68 (Type 6P enclosure) with a transmitter for custody transfer



More information and current pricing:

www.th.endress.com/51W

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 – designed for custody transfer; featuring worldwide recognized metrological approvals
- Safe operation – display provides easy 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

Field of application: Promag W is the specialized sensor for all applications in the water industry. Combined with the proven Promag 51 transmitter with push buttons, Promag 51W offers highly accurate measurement of liquids for a wide range of standard applications. It will be the preferred solution for customers needing custody transfer measurement. Promag 51W is available in a compact or remote version.

Features and specifications

Liquids

Measuring principle

Electromagnetic

Product headline

The sensor with degree of protection IP68 (Type 6P enclosure) combined with a transmitter for custody transfer. 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 easy readable process information. Fully industry compliant – IEC/EN/NAMUR. Transmitter certified to MI - 001. Device in compact or remote version.

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

Medium temperature range

-20...+80°C
(-4...176°F)

Liquids

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

Hazardous area approvals

ATEX

Product safety

CE, C-tick, EAC marking

Metrological approvals and certificates

Calibration performed on accredited calibration facilities (acc. to ISO/IEC 17025),
Custody transfer approvals: MI-001, PTB

Pressure approvals and certificates

PED

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