

# 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.ca.endress.com/51W](http://www.ca.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 m<sup>3</sup>/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 m<sup>3</sup>/h

### Max. process pressure

PN6...40

### Medium temperature range

-20...+80°C

(-4...176°F)

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## Liquids

**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**

Two line display with backlit  
Push button

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**Outputs**

4...20 mA  
Pulse/Frequency  
Status

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**Inputs**

Status

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**Digital communication**

HART

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**Hazardous area approvals**

ATEX

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**Product safety**

CE, C-tick, EAC marking

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**Metrological approvals and certificates**

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

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**Pressure approvals and certificates**

PED

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