













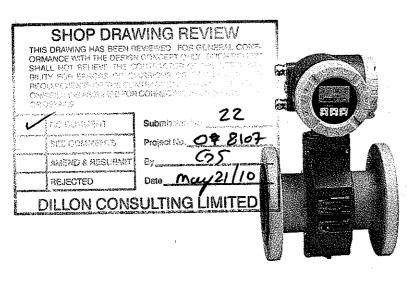


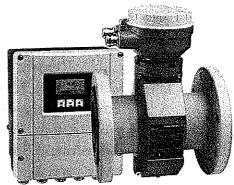


## **Technical Information**

# Proline Promag 50W, 53W

Electromagnetic Flow Measuring System
Flow measurement of liquids in water or wastewater applications





#### Application

Electromagnetic flowmeter for bidirectional measurement of liquids with a minimum conductivity of  $\geq 5 \, \mu \text{S/cm}$ :

- Drinking water
- Wastewater
- Sewage sludge
- Flow measurement up to 110000 m³/h (484315 gal/min)
- Fluid temperature up to +80 °C (+176 °F)
- Process pressures up to 40 bar (580 psi)
- Lengths in accordance with DVGW/ISO

Application-specific lining of the measuring pipe from polyurethane or hard rubber with the following drinking water permissions:

- KTW
- WRAS
- NSF
- ACS

Approvals for hazardous area:

- ATEX
- IECEx
- FM

- CSA
- NEPSI

Connection to process control system:

- HART
- PROFIBUS DP/PA
- FOUNDATION Fieldbus
- MODBUS RS485

## Your benefits

Promag measuring devices offer you cost-effective flow measurement with a high degree of accuracy for a wide range of process conditions.

The uniform Proline transmitter concept comprises:

- Modular device and operating concept resulting in a higher degree of efficiency
- Software options for batching, electrode cleaning and for measuring pulsating flow
- High degree of reliability and measuring stability
- Uniform operating concept

The tried-and-tested Promag sensors offer:

- No pressure loss
- Not sensitive to vibrations
- Simple installation and commissioning

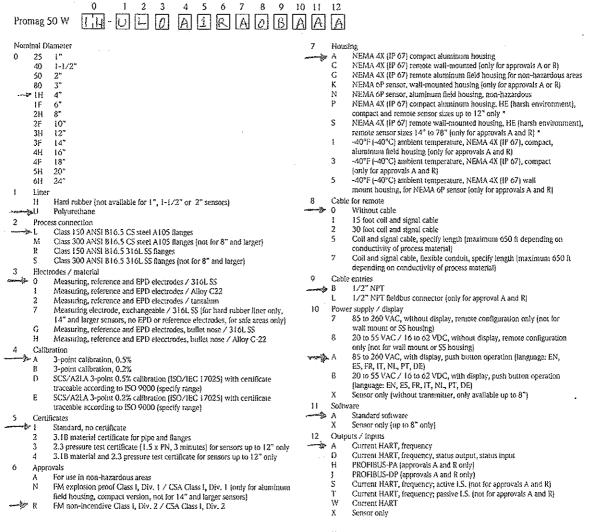


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3	PC	U L 0 A 1 R A 0 B A	50W1H-UL0A1RA0 Promag 50W1H, D Electromagnetic flow Liner: Polyurethane Process Connection: B16.5 Electrodes: 1.4435/3 Calibration: 0.5% Additional Test, cert Approval: FM NI Cl Housing: Compact A Cable, Remote Versi Cable Entry: Thread Power Supply; Displ push buttons, WEA= Adjustment; Softwar basic version Output, Input: 4-20m	N100 4" vmeter  Cl.150, A105,  16L  ificate: w/o . I Div. 2 / CSA Alu, IP67 NEM ion: Not used NPT 1/2 lay: 85-260VA = language DE+ re Feature: Fact	Cl. I Div. 2 A4X C, WEA, 2-line + EN+FR+IT+ES+ ory setup;	
6	PC		4200360 <b>4",316L,15</b>	0 lb ground	ling poly. line	er
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## Ordering information

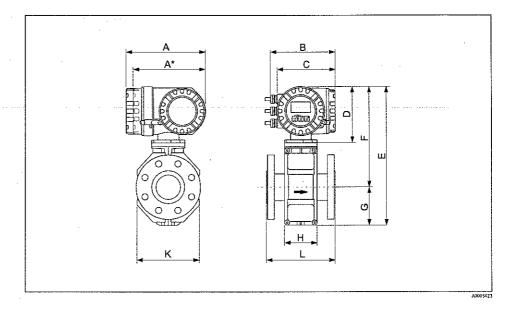
NOTE: Endress+Hauser reserves the right to change or modify product, specifications, and ordering information at any time without notice. Please consult Endress+Hauser or your local representative for the most recent information.

### Promag 50W, 1" to 24" sizes



Harsh environment (HE) option is available for process conditions where cool process temperatures in tropical (high humidity) environments or process fluids which undergo large cyclical temperature variations which can cause high amounts of moisture that could condense onto the measurement tube.

## Compact version DN $\leq$ 300 (12")



## Dimensions (SI units)

DN EN (DIN) / JIS / AS <sup>2)</sup>	Ľ i)	Α	A*	В.	С	D	E	F	G	Н	K
25	200	227	207	187	168	160	341	257	84	94	120
32	200						341	257	84	94	120
40	200						341	257	84	94	120
50	200						341	257	84	94	120
65 80 100 125 150 200	200						391	282	109	94	180
	200						391	282	109	94	180
	250						391	282	109	94	180
	250						472	322	150	140	260
	300						472	322	150	140	260
	350						527	347	180	156	324
250	450						577	372	205	166	400
300	500						627	397	230	166	460

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<sup>&</sup>lt;sup>1)</sup> The length is regardless of the pressure rating selected. Fitting length to DVGW.
<sup>2)</sup> For flanges to AS, only the nominal diameters DN 80, 100 and 150 to 300 are available.
All dimensions in [mm]