

Proline Promag W 800

Electromagnetic flowmeter

Long-lasting battery-powered magmeter with secure system integration and communication



Lợi ích:

- With corrosion protection for underground installation or permanent underwater use
- Improved process safety – leakage detection with low flow and pressure measurement
- Reliable measurement – accurate measured values even with 0 x DN inlet run
- Long-term operation – robust and completely welded sensor
- Secure data storage and transmission – worldwide encrypted communication over the mobile network
- Convenient commissioning and operation – device access via Bluetooth using intuitive SmartBlue app
- Integrated verification – Heartbeat Technology

Thông tin thêm và mức tính giá hiện tại:

www.apsc.endress.com/5W8C

Tổng quan về thông số kỹ thuật

- **Max. measurement error** Volume flow: $\pm 0.5\%$ o.r. ± 2 mm/s ($\pm 0.5\%$ o.r. ± 0.08 in/s)
- **Measuring range** 15 dm³/min to 2500 m³/h (4 to 11 000 gal/min)
- **Medium temperature range** Liner material hard rubber: 0 to +80 °C (+32 to +176 °F) Liner material polyurethane: -20 to +50 °C (-4 to +122 °F)
- **Max. process pressure** PN 40, Class 300, 20K
- **Wetted materials** Liner: polyurethane; hard rubber Electrodes: 1.4435 (316L); Alloy C22, 2.4602 (UNS N06022)

Phạm vi ứng dụng: Promag W 800 is ideal for off-grid applications in the water industry, even flow measurement in direct underground installation or underwater. Promag 800 covers basic functionality,

Promag 800 Advanced offers the full performance spectrum. The battery-powered transmitter provides worldwide transmission of measured data without additional energy supply. Heartbeat Technology ensures measurement reliability and compliant verification.

Tín năng và thông số kỹ thuật

Liquids

Measuring principle

Electromagnetic

Product headline

Battery-powered flowmeter with EN ISO 12944 corrosion protection & intelligent energy efficient mode.

For direct underground installation or permanent underwater use. Certified sensor for the most demanding water and wastewater 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 housing made of durable polycarbonate.

Transmitter features

No power grid required – battery lifetime of up to 15 years. Worldwide transmission of measured data and events via e-mail and SMS – integrated GSM/GPRS modem. Reliable data storage – integrated SD card.

All in 1 housing incl. batteries & wireless modem. Measuring intervals can be adapted individually.

Nominal diameter range

DN 25 to 600 (1 to 24")

Wetted materials

Liner: polyurethane; hard rubber

Electrodes: 1.4435 (316L); Alloy C22, 2.4602 (UNS N06022)

Liquids

Measured variables

Volume flow

Max. measurement error

Volume flow: $\pm 0.5\%$ o.r. ± 2 mm/s ($\pm 0.5\%$ o.r. ± 0.08 in/s)

Measuring range

15 dm³/min to 2500 m³/h (4 to 11 000 gal/min)

Max. process pressure

PN 40, Class 300, 20K

Medium temperature range

Liner material hard rubber: 0 to +80 °C (+32 to +176 °F)

Liner material polyurethane: -20 to +50 °C (-4 to +122 °F)

Ambient temperature range

Flange material carbon steel: -10 to +60 °C (14 to +140 °F)

Flange material stainless steel: -40 to +60 °C (-40 to +140 °F)

Sensor housing material

Standard: Carbon steel with protective varnish, fully welded

Sensor connection housing: Polycarbonate

Transmitter housing material

Polycarbonat

Degree of protection

Compact version: IP66/67, type 4X enclosure

Sensor remote version (standard): IP66/67, type 4X enclosure

Sensor remote version (option): IP68, type 6P enclosure, with protective varnish according to EN ISO 12944 C5 - M/Im1/Im2/Im3.

Transmitter remote version: IP66/67, Type 4X enclosure

Display/Operation

4 - line backlit display with touch control (operation from outside)

Configuration via local display and operating tools possible; Remote data access via mail and SMS

Liquids

Outputs

Pulse/switch output (passive)

Inputs

Status input

Digital communication

GSM/GPRS

Power supply

Internal:

Batteries per DC 3.6 V External:

AC 100 to 240 V (44 to 66 Hz) / DC 12 to 60 V

Hazardous area approvals

None

Metrological approvals and certificates

3.1 material, calibration performed on accredited calibration facilities (acc. to ISO/IEC 17025)

Pressure approvals and certificates

CRN

Hygienic approvals and certificates

Drinking water approval: ACS, KTW/W270, NSF 61, WRAS BS 6920

Thông tin bổ sung www.apsc.endress.com/5W8C