

Proline Promag P 10 电磁流量计

电磁流量计，适用于基本工艺过程应用，操作简单



详细信息和最新价格参见:

www.endress.com.cn/5PBB

优势:

- 应用广泛：多种接液部件材质可选
- 节能流量测量：无节流部件，无压损
- 免维护：无可移动部件
- 最优操控性：使用移动终端设备，安装SmartBlue app，直接触摸屏操作
- 调试简单高效：引导式仪表组态预设置和现场设置
- 带自校验功能：采用Heartbeat Technology心跳技术

产品规格参数

- **最大测量误差** Volume flow (standard): $\pm 0.5\%$ o.r. ± 1 mm/s (0.04 in/s)
- **测量范围** 4 dm³/min to 9600 m³/h (1 gal/min to 44 000 gal/min)
- **介质温度范围** Liner material PFA: -20 to +150 °C (-4 to +302 °F)
Liner material PTFE: -40 to +130 °C (-40 to +266 °F)
- **最大过程压力** PN 40, Class 300, 20K
- **接液部件材质** Liner: PFA; PTFE Electrodes: 1.4435 (316L); Alloy C22, 2.4602 (UNS N06022); Tantalum; Platinum; Titanium

应用领域: Promag P传感器是化工行业和过程领域内的腐蚀性液体和高温液体测量的理想选择。Promag P 10的软硬件设计均直观明了，在保证Endress+Hauser高品质的前提下，大大简化了仪表从设计到服务全生命周期内的每一步操作。采用Heartbeat Technology心跳技术，为过程安全保驾护航。

特征和规格

液体

测量原理

电磁

产品标题

Flowmeter for basic process applications with easy-to-use operation concept.

Dedicated to chemical and process applications with corrosive liquids.

传感器特点

Diverse applications – wide variety of wetted materials. Energy-saving flow measurement – no pressure loss due to cross section constriction.

Maintenance-free – no moving parts.

Nominal diameter: max. DN 600 (24"). All common Ex approvals. Liner made of PTFE or PFA.

变送器特点

Optimum usability – operation with mobile devices and SmartBlue app or display with touch screen. Simple, time-saving commissioning – guided parameterization in advance and in the field. Integrated verification – Heartbeat Technology.

System integration with HART, Modbus RS485. Flexible operation with app and optional display.

公称口径范围

DN 15 to 600 (½ to 24")

接液部件材质

Liner: PFA; PTFE

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

Tantalum; Platinum; Titanium

测量变量

Volume flow, conductivity, mass flow

最大测量误差

Volume flow (standard): $\pm 0.5\%$ o.r. ± 1 mm/s (0.04 in/s)

测量范围

4 dm³/min to 9600 m³/h (1 gal/min to 44 000 gal/min)

液体

最大过程压力

PN 40, Class 300, 20K

介质温度范围

Liner material PFA: -20 to +150 °C (-4 to +302 °F)

Liner material PTFE: -40 to +130 °C (-40 to +266 °F)

环境温度范围

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

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

传感器外壳材质

DN 15 to 300 (½ to 12"): AlSi10Mg, coated

DN 350 to 600 (14 to 24"): Carbon steel with protective varnish

变送器外壳材质

AlSi10Mg, coated

防护等级

Standard: IP66/67, Type 4X enclosure

显示/操作

2.4" LCD display with touch & auto rotate; Configuration and operation via SmartBlue App (Bluetooth) possible

输出

4-20 mA HART (active/passive), Pulse/frequency/switch output

Modbus RS485, 4-20 mA

数字通信

HART, MODBUS RS485

电源

DC 24 V

AC 100 to 230 V

AC 100 to 230 V / DC 24 V (non-hazardous area)

防爆认证

ATEX, IECEx, cCSAus, EAC, NEPSI, INMETRO, JPN

液体

计量认证和证书

Calibration performed on accredited calibration facilities (acc. to ISO/IEC 17025)

Heartbeat Technology complies with the requirements for measurement traceability according to ISO 9001:2015 – Section 7.1.5.2 a (TÜV SÜD attestation)

压力认证和证书

PED, CRN

材料证书

3.1 material

卫生型认证和证书

Drinking water approvals: ACS; NSF61, WRAS

更多信息 www.endress.com.cn/5PBB