

Proline Prosonic Flow W 400超声流量计

流量计使用捆绑式传感器，适用于水和污水行业，以及公用工程应用，使用灵活，安装简单，测量安全



详细信息和最新价格参见:

www.endress.com.cn/9W4B

优势:

- 基于FlowDC优化算法，缩短流量计前直管段长度要求
- 高性价比：管径越大，使用成本越低（最大口径可达DN 4000/160"）
- 信号长期稳定性高：安装在管道外部，免维护
- 测量可靠，不受安装管道材质的影响：GRP管道和塑料管道
- 操作安全：配备带触摸键操作的背光显示屏，操作时无需打开仪表
- 无故障远程访问：支持网页服务器
- 采用Heartbeat Technology心跳技术：全面自诊断、自监测、自校验

产品规格参数

- **最大测量误差** Volume flow: $\pm 3\%$ o.r. for DN15 $\pm 2\%$ o.r. for DN25 to 200 $\pm 2\%$ o.r. above DN200
- **测量范围** 0 to 15 m/s (0 to 50 ft/s)
- **介质温度范围** -40 to $+130$ °C (-40 to $+266$ °F)
- **最大过程压力** N/A

应用领域: Prosonic Flow W 400用于导电性和非导电性液体测量，是安全、经济、低维护工作量的最优选择。捆绑式安装方式，内置以太网服务器，安装和操作都非常简单。基于FlowDC优化算法，保证流量计设计精度稳定，不受管道内流体流动状况的影响。采用Heartbeat Technology心跳技术，支持自诊断、自校验和自监测功能，持续提供全透明的过程信息。

特征和规格

液体

测量原理

超声波流量测量

产品标题

Clamp-on meter with Heartbeat Technology and web server for the water and wastewater industry.

Short inlet run thanks to FlowDC.

Bidirectional measurement for water and wastewater as well as process water and hydropower plants.

传感器特点

Low capital investment – cost-effectiveness increases with pipe diameter (up to DN 4000/156"). Long-term stable signal – maintenance-free permanent mounting from outside with coupling pads. Reliable measurement on various pipe materials – sensor for GRP and plastic pipes available.

Mounting without process interruption. Wide nominal diameter range: DN 15 to 4000 (1/2 to 160"). Medium temperature up to +130 °C (+266 °F).

变送器特点

Safe operation – no need to open the device due to display with touch control, background lighting. Full remote access – web server. Integrated diagnostics, verification and monitoring – Heartbeat Technology.

Transmitter housing made of durable polycarbonate or aluminium.

Remote version for wall mounting. Integrated data logger: measured values monitoring.

公称口径范围

DN15 to 4000 (1/2 to 160")

Sensor materials

Clamp on system:

Sensor holder 1.4301 (304), 1.4404 (316L)

Sensor housing 1.4301 (304), 1.4404 (316L)

Strapping bands 1.4301 (304), 1.4404 (316L)

液体

测量变量

Volume flow, Flow velocity, Sound velocity

最大测量误差

Volume flow:

±3% o.r. for DN15

±2% o.r. for DN25 to 200

±2% o.r. above DN200

测量范围

0 to 15 m/s (0 to 50 ft/s)

最大过程压力

N/A

介质温度范围

-40 to +130 °C (-40 to +266 °F)

环境温度范围

Sensor DN 15 to 65: -40 to 130°C

Sensor DN 50 to 4000: -40 to 130°C

传感器外壳材质

N/A

变送器外壳材质

Wall-mounted housing

Polycarbonat; AlSi10Mg, coated

防护等级

Transmitter: IP66/67, Type 4X enclosure

Sensor: IP66/67, Type 4X enclosure, IP68, Type 6P enclosure (optional)

显示/操作

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

Configuration via local display, web browser and operating tools possible

液体

输出

3 outputs:

4 - 20 mA/4 - 20 mA HART (active)

Pulse/frequency/switch output (passive)

Pulse/frequency/switch output (passive)

输入

Status input

数字通信

HART

电源

AC 100 to 240 V / AC/DC 24 V

Approvals

cCSAus, EAC

其他认证和证书

其他认证和证书

产品安全性

产品安全性

计量认证和证书

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

船级认证和证书

船级认证和证书

更多信息 www.endress.com.cn/9W4B