

Prosonic Flow E Heat Ultrasonic flowmeter

Industrial, certified heat flow sensor for improved energy consumption measurement



详细信息和最新价格参见:

www.endress.com.cn/9EHB

优势:

- Full compliance with custody transfer regulations
- Long-term stability – reliable sensor with robust industrial design
- Energy and cost savings – optimized sensor for fully insulated pipes
- Dependable flow measurement – high turndown
- Effortless, safe operation – no commissioning needed, no unauthorized device access due to locked pulse output
- Simple process indication – direct reading of status information via color LEDs
- Increased reliability – comprehensive diagnostics

产品规格参数

- **最大测量误差** MID 004精度等级II (2%)
- **测量范围** 0.025...5 m/s (0.02...16.4 ft/s) 0...6360 dm³/min (0...1680 gal/min)
- **介质温度范围** 0...150 °C (17.8...302 °F)
- **最大过程压力** PN 25/ ASME Cl. 150
- **接液部件材质** 测量管: 1.4301 (F304) 过程连接: 1.4571、1.4404 (F316L)、1.0038 (S235JR)、1.4306 (F304L)、1.4307 (F304L)、A105

应用领域: Prosonic Flow E Heat is the perfect heat flow sensor for enhanced energy management throughout all industries. It offers recognized custody transfer approvals for heating and cooling applications and is optimized for flexible industrial use.

特征和规格

液体

测量原理

超声波流量测量

产品标题

Industrial, certified heat flow sensor for improved energy consumption measurement.

Full compliance with custody transfer regulations.

Best choice for energy management of water (e.g. heating and cooling) across all industries.

传感器特点

Long-term stability – reliable sensor with robust industrial design. Energy and cost savings – optimized sensor for fully insulated pipes. Dependable flow measurement – high turndown.

Accuracy Class 2 according to international approvals such as MI-004, EN 1434, OIML R75. Entire sensor housing made of stainless steel. Process temperatures up to 150 °C (302 °F).

变送器特点

Effortless, safe operation – no commissioning needed, no unauthorized device access due to locked pulse output. Simple process indication – direct reading of status information via color LEDs. Increased reliability – comprehensive diagnostics.

Certified pulse output. Cost-efficient, application-optimized transmitter.

公称口径范围

DN 50...150 (2...6")

接液部件材质

测量管：1.4301 (F304)

过程连接：1.4571、1.4404 (F316L)、1.0038 (S235JR)、1,4306 (F304L)、1.4307 (F304L)、A105

测量变量

流速、声速

最大测量误差

MID 004精度等级II (2%)

液体

测量范围

0.025...5 m/s (0.02...16.4 ft/s)
0...6360 dm³/min (0...1680 gal/min)

最大过程压力

PN 25/ ASME Cl. 150

介质温度范围

0...150 °C (17.8...302 °F)

环境温度范围

-20...60 °C (-4...140 °F)

传感器外壳材质

不锈钢

变送器外壳材质

一体式：带铝合金AlSi10Mg涂层

防护等级

标准：IP66/67, Type 4X
开放式外壳：IP20, Type 1

显示/操作

通过彩色LED指示灯直接读取状态信息

输出

脉冲/频率

输入

无

数字通信

无

电源

19.2...28.8 VDC

液体

防爆认证

无

产品安全性

CE认证、C-tick认证、EAC认证

计量认证和证书

在认证标定装置上标定（符合ISO/IEC 17025标准）

压力认证和证书

PED

材料证书

3.1材料证书

更多信息 www.endress.com.cn/9EHB