

Proline Promass K 10

科里奥利质量流量计

基本应用场合的流量测量解决方案，低使用成本，操作简单



F L E X

优势:

- 基本型仪表，高性价比：传统机械式流量计的替代优选
- 更少过程测量点：多变量测量（流量、密度、温度）
- 节省安装空间：无前/后直管段安装长度要求
- 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** Mass flow (liquid): $\pm 0.5\%$ (standard), $\pm 0.15\%$ (option) Mass flow (gas): $\pm 1\%$
- **测量范围** 0 to 180 000 kg/h (0 to 6615 lb/min)
- **介质温度范围** -40 to $+150\text{ }^{\circ}\text{C}$ (-40 to $+302\text{ }^{\circ}\text{F}$)
- **最大过程压力** PN 40, Class 300, 40K
- **接液部件材质** Measuring tube: 1.4539 (904L) Connection: 1.4404 (316/316L)

详细信息和最新价格参见:

www.endress.com.cn/8KBB

应用领域: Promass K科里奥利质量流量计传感器是高性价比的质量流量测量解决方案。可靠测量基本应用场合中的空气、气体、燃油和水的流量。Promass K 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。Heartbeat Technology心跳技术保证测量的可靠性，延长仪表校准周期。

特征和规格

液体

测量原理

科里奥利质量流量

产品标题

Flowmeter with minimized total cost of ownership with easy-to-use operation concept.

Measurement of liquids and gases in utility processes and basic applications.

传感器特点

Cost-effective general-purpose device – alternative to mechanical flowmeters. Fewer process measuring points – multivariable measurement (flow, density, temperature). Space-saving installation – no in-/outlet run needs.

Compact dual-tube sensor. Medium temperature up to +150 °C (+302 °F). Process pressure up to 100 bar (1450 psi).

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 8 to 80 ($\frac{3}{8}$ to 3")

接液部件材质

Measuring tube: 1.4539 (904L)

Connection: 1.4404 (316/316L)

测量变量

Mass flow, temperature, Density (option), volume flow, corrected volume flow

液体

最大测量误差

Mass flow (liquid): ± 0.5 % (standard), ± 0.15 % (option)

Mass flow (gas): ± 1 %

测量范围

0 to 180 000 kg/h (0 to 6615 lb/min)

最大过程压力

PN 40, Class 300, 40K

介质温度范围

-40 to +150 °C (-40 to +302 °F)

环境温度范围

Standard: -20 to +60 °C (-4 to +140 °F)

传感器外壳材质

Stainless steel 1.4301 (304)

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

液体

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

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

CRN, PED

材料证书

3.1 material

卫生型认证和证书

EC 1935, FDA, GB4806, cGMP

气体

测量原理

科里奥利质量流量

公称口径范围DN 8 to 80 ($\frac{3}{8}$ to 3")

气体

接液部件材质

Measuring tube: 1.4539 (904L)
Connection: 1.4404 (316/316L)

测量变量

Mass flow, temperature, Density (option), volume flow, corrected volume flow

最大测量误差

Mass flow (liquid): ± 0.5 % (standard), ± 0.15 % (option)
Mass flow (gas): ± 1 %

测量范围

0 to 180 000 kg/h (0 to 6615 lb/min)

最大过程压力

PN 40, Class 300, 40K

介质温度范围

-40 to +150 °C (-40 to +302 °F)

环境温度范围

Standard: -20 to +60 °C (-4 to +140 °F)

传感器外壳材质

Stainless steel 1.4301 (304)

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

气体

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

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

CRN, PED

材料证书

3.1 material

卫生型认证和证书

EC 1935, FDA, GB4806, cGMP

更多信息 www.endress.com.cn/8KBB