

Proline t-mass A 150

Thermal mass flowmeter

The flowmeter for cost-effective measurement and easy monitoring of utility gases



Mais informações e preço atual:

www.br.endress.com/6AAB

Benefícios:

- Suitable for air, nitrogen, carbon dioxide and argon in small line sizes
- Optimal process monitoring – easy measurement even at low pressures and flow velocities
- Cost-effective measurement – easy installation, negligible pressure loss and maintenance-free
- Reliable flow trending – multivariable measurement
- Fast and efficient commissioning – guided operating menus
- High plant availability – self-diagnostics and error monitoring
- Automatic recovery of data for servicing

Especificações resumidas

- **Max. measurement error** 3 % o.r. 4 % o.r. 5 % o.f.s. (depending on chosen option of ordering feature "Calibration flow")
- **Measuring range** 0.5 to 910 kg/h (1.1 to 2002 lb/h) 0.5 to 1365 kg/h (1.1 to 3003 lb/h) (for air, depending on chosen option of ordering feature "Calibration flow")
- **Medium temperature range** -40 to +100 °C (-40 to +212 °F)
- **Max. process pressure** PN 40, Class 300
- **Wetted materials** Transducer: 1.4404 (316L) Insertion tube: 1.4404 (316L) Measuring tube: 1.4404 (316L); 1.4435 (316L) Connection: 1.4404 (F316/F316L); 1.4404 (316L); 1.4435 (316L)

Campo de aplicação: The t-mass A 150 inline device is specially designed for the cost-effective measurement of utility gases, in particular compressed air. It is a trending device aimed at sub-metering applications. Its 4-wire technology is contained within a rugged compact aluminum housing. It is orderable either with display or as a blind

version. Customer-specific settings are saved on the display and can be transferred from one device to another by means of the display.

Características e especificações

Gas

Measuring principle

Thermal

Product headline

The flowmeter for cost-effective measurement and easy monitoring of utility gases.

Suitable for air, nitrogen, carbon dioxide and argon in small line sizes.

Sensor features

Optimal process monitoring – easy measurement even at low pressures and flow velocities. Cost-effective measurement – easy installation, negligible pressure loss and maintenance-free. Reliable flow trending – multivariable measurement.

Inline version: DN 15 to 50 (½ to 2"). Process pressure up to PN 40, Class 300. A variety of process connections available.

Transmitter features

Fast and efficient commissioning – guided operating menus. High plant availability – self - diagnostics and error monitoring. Automatic recovery of data for servicing.

Device in compact version with DC 24 V power supply. 4-20 mA HART, pulse/frequency/switch output. Compact and robust transmitter.

Nominal diameter range

DN 15 to 50 (½ to 2")

Wetted materials

Transducer: 1.4404 (316L)

Insertion tube: 1.4404 (316L)

Measuring tube: 1.4404 (316L); 1.4435 (316L)

Connection: 1.4404 (F316/F316L); 1.4404 (316L); 1.4435 (316L)

Gas

Measured variables

Mass flow, temperature, corrected volume flow, FAD volume flow

Max. measurement error

3 % o.r.

4 % o.r.

5 % o.f.s.

(depending on chosen option of ordering feature "Calibration flow")

Measuring range

0.5 to 910 kg/h (1.1 to 2002 lb/h)

0.5 to 1365 kg/h (1.1 to 3003 lb/h)

(for air, depending on chosen option of ordering feature "Calibration flow")

Max. process pressure

PN 40, Class 300

Medium temperature range

-40 to +100 °C (-40 to +212 °F)

Ambient temperature range

-40 to +60 °C (-40 to +140 °F)

Transmitter housing material

AlSi10Mg, coated

Degree of protection

IP66/67, type 4X enclosure

Display/Operation

4 - line display with push Buttons

Configuration via local display and operating tools possible

Outputs

4 - 20 mA HART (active)

Pulse/frequency/switch output (passive)

Gas

Inputs

Status input

Digital communication

HART

Power supply

DC 18 to 30 V

Hazardous area approvals

ATEX, IECEx, cCSAus

Metrological approvals and certificates

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

Pressure approvals and certificates

PED, CRN

Mais informações www.br.endress.com/6AAB