

STA-De

Article-No. 41513-1211-XXX



YOUR BENEFIT CHARACTERISTICS

- + Easy determination of compressed air consumption for main and distribution piping
- + High-end sensor with stainless steel mechanics
- + Very high measuring accuracy due to sensor calibrated exactly to the inner diameter of the station
- + Suitable for mounting up to two sensors with parallel operation (e.g. volume flow and pressure or humidity)

measuringSYSTEMS

PRODUCTFINDER

Your industrial sector?

Food industry/ Chemical industry

What is to be measured?

Consumption Volume flow
Quick-break Sensor exchange

MEASURING POINT INTERFACE

Station



Material: stainless steel

Normal pressure: PN 16

Pipe connection:

welding neck flange

opt. ISO female thread flange

X

SENSOR UNIT WITHOUT APPLICATOR

Direct-e



Sensor: e-flow

measuring range 0,5 to 200m/s

Temp. -20 to 80°C

Material probe: stainless steel

Material applicator: without

X

MEDIUM

| | compressed air | Nitrogen | CO ₂ | Oxygen | Helium | Argon |
|--|----------------|----------|-----------------|--------|--------|-------|
| | X | X | X | X | X | X |

NORMINAL WIDTHS

| | DN 15 | DN 20 | DN 25 | DN 32 | DN 40 | DN 50 | DN 65 | DN 80 | DN 100 | DN 125 | DN 150 | DN 200 | > DN 200 |
|--|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|----------|
| | | | | | X | X | X | X | X | X | X | X | |



POSTBERG + Co.
Energieeffizienz mit Leidenschaft

MESSTECHNIK

Postberg + Co. GmbH | Emilienstr. 37 | 34121 Kassel | T: +49 (0)561. 50 63 09-70 | info@postberg.com | www.postberg.com

TECHNICAL DATA

Measuring Point Interface

Stainless steel station with PB+CO®lock-blind plug

Sensor unit without applicator

Sensor e-flow with external display

Factory calibration and certificate (10-Punkt), ISO 50001 conform, certificate according to ISO/IEC 17025

Measuring range: 0,5 to 100 , 200 m/s on demand,

volume flow depending on nominal widths (see nominal widths datasheet)

Pressure resistance: 16 bar (optional 40 bar)

Display: External, 2-spaced with 6 digits

Response time t_{90} : < 1 sec.

Input delay: 0,5 sec.

Test port (analogue): apply voltage 0 - 10 V max. 1 mA; Power (3-conductor) 0 - 20 mA resp. 4 - 20 mA; $R_L < 500 \text{ Ohm}$

Test port (impulse): potential free for compressed air consumption in 1 impulse = $1 \text{ m}^3/10 \text{ m}^3$, impulse length: 0,02 - 2 sec

Switching output: potential free max 44 VDC, 500 mA

Bus interface: M-BUS (incl.) or MODBUS RTU (optional); Profibus or TCP/IP as external Bus-Modul (optional)

Digital interface: USB (for configuration)

Optional pressure compensation: 4 - 20 mA (2-wired; 15 V) for pressure sensor

Supply voltage: 18 - 30 V AC/DC

Power consumption: max. 200 mA (incl. display)

Temperature range: Ambiente temperature -20...60 °C; Medium temperatur -20...80 °C; Storage temperatur -20...60 °C

Humidity of gas: noncondensing

Cable connection: Feedthrough M16x1,5 (optional plug M12x1 8pol.)

Electromagnetic compatibility: EN61326-1, EN61326-2-3, industry environment

Material

Stainless steel (Station, Sensor pipe and probe), Metal (AlSi3Cu) (case), Glas (Sensor probe)

Protection type of case: IP65

We like to support you with your projects for a successful compressed air controlling system.
Please visit us at www.postberg.com/efficiencyconsulting.

