

STA-Wi

Article-No. 41531-3243-XXX



YOUR ADVANTAGES

- + Easy determination of compressed air consumption for main and distribution piping
- + Very high measuring accuracy due to sensor calibrated exactly to the inner diameter of the station
- + Quick sensor exchange without disconnection, thanks to patented changeover device
- + Suitable for mounting up to two sensors with parallel operation (e.g. volume flow and pressure or humidity)

PRODUCTFINDER

Your industrial sector?

General industrial applications

What is to be measured?Consumption Volume flow
24/7 sensor exchange

MEASURING POINT INTERFACE

Station**Material:** galvanized steel**Normal pressure:** PN 16**Pipe connection:**

welding neck flange

opt. threaded flange

X

SENSOR UNIT WITH APPLICATOR

Aluminium retractable valve**Sensor:** i-flow

Measuring range 0,5 to 160 m/s

Temp. 0 to 60°C

Material sensor probe: plastic**Material applicator:** aluminium

X

MEDIUM

Compressed air	Nitrogen	CO ₂	Oxygen	Helium	Argon
X					

NOMINAL WIDTH

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	X



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TECHNICAL DATA

Measuring Point Interface

Galvanized steel measuring station with PB+CO®lock blind plug

Sensoreinheit mit Applikator

i-volume flow sensor with integrated LED display

Factory calibration and calibration certificate (5-point), ISO 50001 compliant, certificate according to ISO / IEC 17025

Measuring range: 0.5 to 160 m³ / s, volume flow depending on the nominal width

Pressure resistance: 16 bar

Display: 4-digit alphanumeric display, 6mm high, display for l / min or m³ / min or m³ / hTotalizer (l / m³)Response time t_{90} : 0.1 s

Switch-on delay: 0.5 s

Supply voltage: 24 V DC (19 - 30 V), current consumption: <200 mA (with display)

Switching output: 2 switching outputs / 1 switching output and 1 measuring output / 2 measuring outputs (basic config.)

Bus interface (optional): IO-Link (optional in the sensor), M-Bus, Modbus RTU, Profibus, (TCP / IP) as an external bus module

Measurement output (analog): 4 - 20 mA, linear for instantaneous display over the entire measuring range

Measurement output (pulse): Pulse output (no galvanic separation) for compressed air consumption in 0.01 m³ / pulse

Pulse length: 100 ms

Temperature range: ambient temperature 0 to 60 °C; Medium temperature 0 to 60 °C; Storage temperature 0 to 60 °C

Humidity of the gas: non-condensing

Electrical protection: short-circuit protection and reverse polarity protection

Material

Galvanized steel (measuring station), ceramic glass passivated, Makrolon, PEEK, polyester, Viton (sensor)

Aluminium (retracting valve)

Protection class: IP65, protection class III

CALIBRATION SERVICE OF YOUR SENSOR

We recommend cleaning and recalibrating your sensor **once a year** to ensure maximum measurement accuracy.

Which calibration do you require?

You can download all the important information at
www.postberg.com/kalibrierunterlagen.

MEASURING TECHNOLOGY



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