

# STA-Di

Article-No. 41511-3211-XXX



## YOUR BENEFIT CHARACTERISTICS

- + 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
- + 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  
Standard sensor exchange

## MEASURING POINT INTERFACE

**Station**



**Material:** Galvanized steel  
**Normal pressure:** PN 16  
**Pipe connection:**  
welding neck flange  
opt. threaded flange

X

## SENSOR UNIT WITHOUT APPLICATOR

**Direct-i**



**Sensor:** i-flow  
measuring range 0,5 to 160 m/s  
Temp. 0 to 60°C  
**Material probe:** plastic  
**Material applicator:** without

X

## MEDIUM

compressed air	Nitrogen	CO <sub>2</sub>	Oxygen	Helium	Argon
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	



TECHNICAL DATA	
<b>Measuring Point Interface (MPI)</b>	
Steel (galvanized) Station with PB+CO®lock-blind plug	
<b>Sensor with Applicator</b>	
Sensor i-flow with integrated LED-display	
Factory calibration and certificate (5-point), ISO 50001 conform, certificate according to ISO/IEC 17025	
Measuring range: 0,5 to 160 m/s, volume flow depending on nominal widths (see nominal widths datasheet)	
Pressure resistance: 16 bar	
Display: 4- digit alphanumeric display, 6mm high; display for l/ min or rather m <sup>3</sup> / min or m <sup>3</sup> / h	
Totalisator (l or m <sup>3</sup> )	
Response time t <sub>90</sub> : 0,1 sec.	
Input delay: 0,5 sec.	
Supply voltage: DC 24 V (19 - 30 V), current consumption: <200 mA (with display)	
Switching output: 2 Switching outputs/ 1 Switching output and 1 test port/ 2 test ports (normal set-up)	
Bus-interface(optional): IO-Link (optional with sensor), M-BUS, MODBUS RTU, Profibus, TCP/IP as external Bus-Modules	
Test ports (analogue): 4 - 20 mA, linear for instantaneous display for the whole measuring range	
Test ports (impulse): Impulse port (no galvanic cutoff) for compressed air consumption in 1 impulse = 0,1m <sup>3</sup> / 1 m <sup>3</sup>	
Impulse length 100 ms	
Temperature range: Ambient temperature 0...60 °C; Medium temperature 0...60 °C; Storage temperature 0...60 °C	
Humidity of gas: noncondensing	
Short-circuit protection and reverse battery protection	
<b>Material</b>	
Steel (galvanized) (Station), ceramic glas passivated, Makrolon, PEEK, Polyester, Viton (Sensor)	
Protection class case box: IP65 III	

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

