STA-Wi

Article-No. 41531-3243-XXX

YOUR BENEFIT CHARACTERISTICS

+ Easy determination of compressed air consumption for main and distribution piping
+ Quick sensor exchange without disconnection, thanks to patented changeover device
+ 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?
General industrial applications

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

MEASURING POINT INTERFACE

Station

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

X

SENSOREINHEIT MIT APPLIKATOR

WA322i

Sensor: : i-flow
measuring range 0,5 to 160 m/s
Temp. 0 to 60°C
Material probe: plastic
Material Applicator: Aluminium

X

MEDIUM

compressed air	Nitrogen	CO_2	Oxygen	Helium	Argon
X					

NOMINAL 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	

Stand 04.2015

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TECHNICAL DATA

Measuring Point Interface (MPI)
Steel (galvanized) Station with PB+CO®lock-blind plug
Sensor with applicator
Sensor i-flow with integrated LED-display and retracting valve WA322i
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 norminal widths (see norminal widths datasheet)
Pressure resistance: 16 bar
Display: 4- digit alphanumeric display, 6mm high; display for l/ min or rather m^3/ min or m^3/ h
Totalisator (l or m^3)
Response time t_{90}: 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 instantanous display for the whole measuring range
Test ports (impulse): Impulse port (no galvanic cutoff) for compressed air consumption in 1 impulse = 0,1m^3/ 1 m^3
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
Material
Steel (galvanized) (Station), ceramic glas passivated, Makrolon, PEEK, Polyester, Viton (Sensor),
Aluminium (retracting valve)
Protection class case box: IP65 III

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