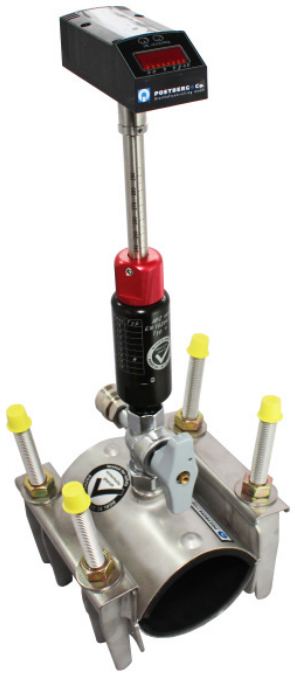
RO-Ri

Article-No. 451221-1223-XXX



YOUR BENEFIT CHARACTERISTICS

+ Easy determination of compressed air consumption for main and distribution piping
+ Cost-effective pressurised installation with TÜV-tested tapping clamp, no welding work needed
+ Sensor exchange without disconnection, thanks to patented PB+Cover®-kickback protection
+ Suitable for steel pipes and stainless steel pipes
+ Multi sensor operation possible (multiple measuring point interfaces can be operated with a portable sensor unit)

measuringSYSTEMS

PRODUCTFINDER

Your industrial sector?
General industrial applications

What is to be measured?
consumption / volume flow measurement with 24/7 sensor exchange

MEASURING POINT INTERFACE

Tapping clamp

Material: Stainless steel, Perbunan
Norminal preasure: PN 16 (>DN200 PN10)
Pipe connection:
collar sealing

SUITABLE

SENSOR UNIT WITH APPLICATOR

PB+Cover®-i

Sensor: i-flow
Measuring range 0,5 to 160 m/s
Temp. 0 to 60°C
Material probe: plastic
Material applicator: brass

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 (MPI)
Stainless steel pipe clamp with safety ball-valve and PB+CO®lock-blind plug
Sensor with applicator
Sensor i-flow with integrated LED-display with PB+Cover®-kickback protection
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 (with tapping-clamp PN 16 (>DN200 PN10))
Display: 4- digit alphanumeric display, 6mm high; display for l/ min or rather m^3/ min or m^3/ h
Totalisator in 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 = 1 m^3 /10m^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
Stainless steel, Perbunan (pipe clamp), ceramic glas passivated, Makrolon, PEEK, Polyester, Viton (Sensor),
Brass (PB+Cover®)
Protection class case box: IP65 III

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