

MA-Di

Article-No. 42111-4211-XXX



YOUR BENEFIT CHARACTERISTICS

- + Easy determination of compressed air consumption before consumer load
- + Quick sensor exchange, causing brief disconnection only thanks to safety ball valve
- + Manual leakage stop, possible through application of the shut-off function in the measurement system (e.g. for shutdown or maintenance work) - automatic actuator available as an option
- + Multi sensor operation possible (multiple measuring point interfaces can be operated with a portable sensor unit)

PRODUCTFINDER

Your industrial sector?

General industrial applications

What is to be measured?

Consumption Volume flow
Quick-break Sensor exchange

MEASURING POINT INTERFACE

Measuring armature

Material: brass
Normal Pressure: PN 16
Pipe connection:
ISO-female thread
opt. welding neck 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 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							

TECHNICAL DATA	
Measuring Point Interface (MPI)	
Brass Measuring Safety ball-valve with PB+CO®lock-blind plug	
Sensor without Applicator	
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 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 instantaneous 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	
brass- nickel plated (Measuring Safety ball-valve), 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.