

Compressed air meter

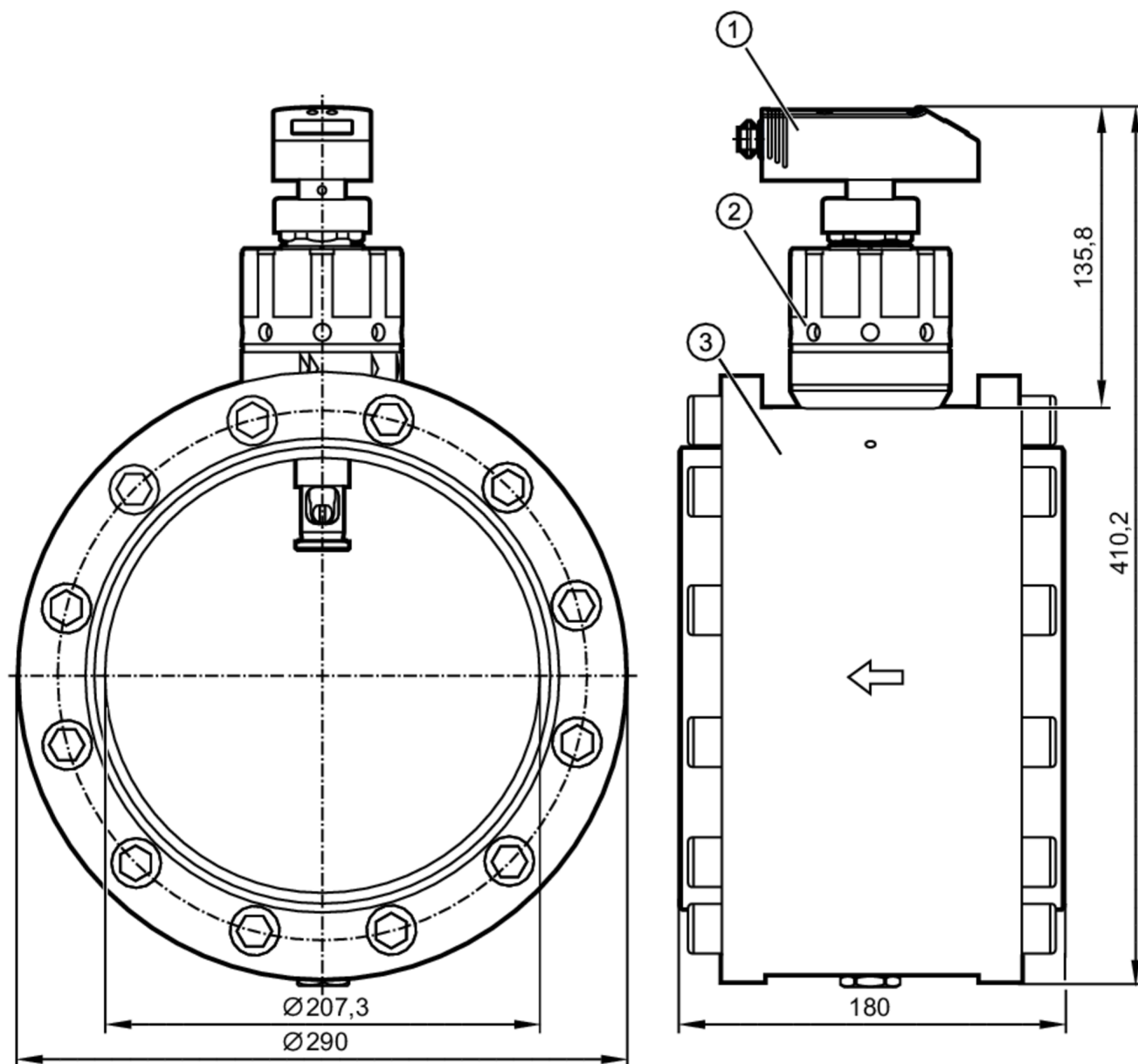
SDG8"/METRIS PB DN200 SS LM

Article to be discontinued

Alternative articles: SDG850

When selecting an alternative article and accessories please note that technical data may differ!

please note that sensors with a production date before 2010 have a modified pitch circle



- 1 Flow sensor
- 2 Quick-change fitting
- 3 Pipe section



Product characteristics

Number of inputs and outputs

Number of digital outputs: 2; Number of analog outputs: 1

Measuring range [m³/h]

58...17500



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Process connection	flange DN200 according to:DIN EN 10220		
Application			
Application	Totalizer function		
Media	compressed air		
Note on media	air quality ISO 8573-1		
	class 141		
	class 344		
Medium temperature	[°C]	0...60	
Pressure rating	16 bar	1.6 MPa	
Electrical data			
Operating voltage	[V]	19...30 DC	
Current consumption	[mA]	< 100	
Protection class		III	
Reverse polarity protection		yes	
Power-on delay time	[s]	0.5	
Inputs / outputs			
Number of inputs and outputs	Number of digital outputs: 2; Number of analog outputs: 1		
Outputs			
Total number of outputs		2	
Output signal		switching signal; analog signal; pulse signal; (configurable)	
Electrical design		PNP	
Number of digital outputs		2	
Output function		normally open / closed; (configurable)	
Max. voltage drop switching output DC	[V]	2	
Permanent current rating of switching output DC	[mA]	250; (per output)	
Number of analog outputs		1	
Analog current output	[mA]	4...20; (scalable)	
Max. load	[Ω]	500	
Pulse output		consumed quantity meter	
Short-circuit protection		yes	
Type of short-circuit protection		yes (non-latching)	
Overload protection		yes	
Measuring/setting range			
Measuring range	[m³/h]	58...17500	
Display range	[m³/h]	0...21000	
Volumetric flow quantity monitoring			
Pulse value		10 Nm³	
Pulse length	[s]	0,1	
Accuracy / deviations			
Flow monitoring			
Accuracy (in the measuring range)		± (3 % MW + 0,3 % MEW) / ± (6 % MW + 0,6 % MEW); (class 141 /; class 344)	



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Reaction times		
Flow monitoring		
Response time	[s]	0.1; (dAP = 0)
Operating conditions		
Ambient temperature	[°C]	0...60
Storage temperature	[°C]	-20...85
Max. relative air humidity	[%]	90
Protection		IP 65
Tests / approvals		
EMC	EN 61000-4-2 ESD	4 kV CD / 8 kV AD
	EN 61000-4-3 HF radiated	10 V/m
	EN 61000-4-4 Burst	2 kV
	EN 61000-4-6 HF conducted	10 V
Vibration resistance		DIN IEC 68-2-6
MTTF	[years]	5 g (55...2000 Hz)
		214
Mechanical data		
Weight	[g]	41441
Housing		rectangular
Dimensions	[mm]	180 x 290 x 410.2
Material		PBT-GF20; PC; PC; stainless steel (1.4301 / 304); FKM; Pipe section: stainless steel (1.4301 / 304)
Materials (wetted parts)		stainless steel (1.4401 / 316); stainless steel (1.4301 / 304); ceramics glass passivated; PEEK; polyester; FKM; aluminum anodized; stainless steel (1.4301 / 304)
Process connection		flange DN200 according to: DIN EN 10220
Remarks		
Remarks		MW = Measured value
		MEW = Final value of the measuring range
		Measuring, display and setting ranges refer to standard volume flow according to DIN ISO 2533.
		For information about installation and operation please see the operating instructions.
Pack quantity		1 pcs.
Electrical connection		
Connector: 1 x M12; coding: A		

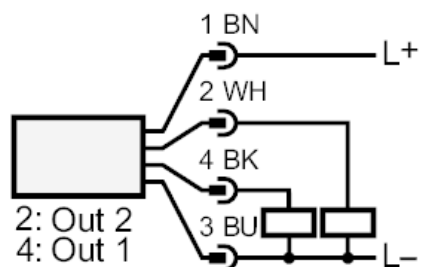




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Connection



OUT1:	Switching output Pulse output quantity meter
OUT2:	Switching output Input counter reset analog output