



Compressed air meter with display and totalizer function.



Control of compressed air consumption, leakage monitoring.



- Wide measuring range: 0...225 Nm³/h, even very small leaks are detected.
- 4-digit display for a wide range of information in situ.
- Fast response time.
- Analogue, switching and pulse outputs for signal processing.
- Integrated into a pipe length – for easy mounting, high accuracy and repeatability.

High-grade stainless steel pipe length

IP 65

Totalizer function

Outputs: analogue binary pulse

Broad measurement dynamics



Electronic lock

μP integrated



Calorimetric measuring method

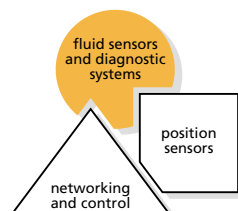
The compressed air meter detects the standard volume flow (to ISO 2533) directly, eliminating the need to correct for temperature and pressure variation. The high measurement dynamics of the system enables reliable detection of minute quantities, e.g. leakage. High accuracy and repeatability are ensured by the integration of the measurement sensor's key elements into a defined pipe length.

All information at hand

The integral 4-digit LED display plus the status LEDs allow information to be available at the point of monitoring. Whether critical values relate to peak consumption, present consumption or accumulated consumption, set switch or alarm levels can be accessed and programmed via pushbutton. All settings can be protected using the electronic lock function.

Signal processing

Switching outputs, analogue outputs and pulse outputs are available for signal processing. Parameters are set in the user menu.



Flow sensors

Compressed air consumption meter with integrated pipe length
4-digit alphanumeric LED display

Programmable via pushbutton,
can be locked electronically
Totalizer

Fluid sensors and diagnostic systems

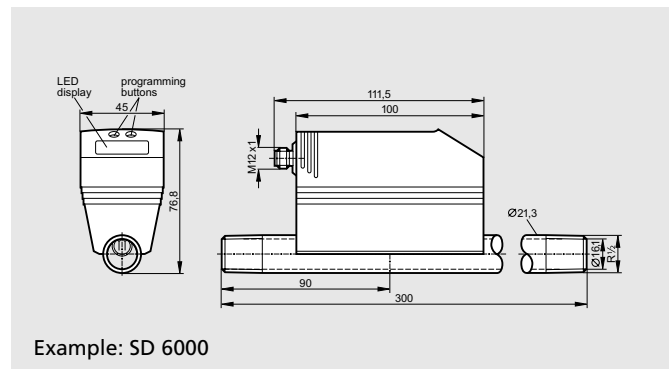
Application	Compressed air in industrial use	
Electrical design	DC PNP	
Connection		
Output 1	2 x programmable or 1 x programmable + 1 x analogue 4...20 mA	
Output 2 (programmable)	or 1 x programmable + 1 x pulse output (1 pulse = 1 L or 1 m³)	
Measur. range [NI/min/Nm³/h]	(0) 4...1250 / (0) 0.25...75.0	(0) 12.5...3750 / (0) 0.75...225.0
Setting range		
SP* [NI/min/Nm³/h]	6...1250 / 0.4...75.0	19...3750 / 1.1...225.0
ASP** [NI/min/Nm³/h]	0...938 / 0...56.3	0...2812 / 0...169.0
AEP*** [NI/min/Nm³/h]	313...1250 / 18.8...75.0	937...3750 / 56...225.0
Pipe connection	DN 15	DN 25
Order no.	SD 6000	SD 8000
Operating voltage [V]	19...30 DC	
Current rating [mA]	2 x 250	
Short circuit protection, pulsed	•	
Rev. pol. protection/overl. prot.	•	
Analogue output	4...20 (max. 500 Ω)	
Pressure resistance [bar]	16	
Medium temperature [°C]	0...60 (max. 90% relative air humidity)	
Power-on delay time [s]	0.5	
Response time [s]	<0.1	
Measuring error	±(3% measured value + 0.3% final value of the measuring range)	
Repeatability	±1% of the measured value	
Function display		
Switching status LED	2 x yellow	
Display LED	4-digit alphanumeric display	
Operating temperature [°C]	0...60	
Protection	IP 65 III	
Material housing	PBT-GF20; PC; Makrolon; stainless steel (1.4301); Viton	
Material sensor	stainless steel (304S15), ceramics, PEEK, polyester	
Connection	M12 connector	

*SP = Switch point, **ASP = Analogue start point, ***AEP = Analogue end point

Sockets

Socket type	Design	Order no.
ifm	2m (PUR), M12 straight, without LED	E 10906
ifm	5m (PUR), M12 straight, without LED	E 10907

Dimensions



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