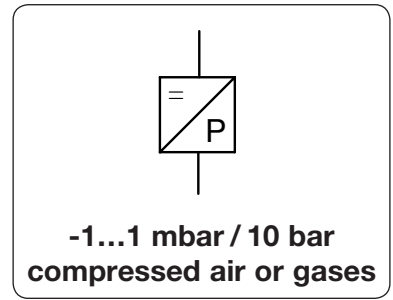


Description	The differential pressure between port H and L is converted into a proportional, electrical signal by a silicon pressure transducer, amplified and then monitored as an analogue voltage or current signal.		
Media	compressed air or non-corrosive gases		
Supply voltage	12...32 V DC,	residual ripple 5%,	with voltage protection
Electrical connector	plug M12x1, 4-pin,	optionally 4-wire connection cable	
Output signal	4...20 mA: max. power consumption 260 mW		1...6 V: max. power consumption 60 mW
Linearity/Hysteresis	< 0.1 % FS typ.		
Repeatability	< 0.1 % FS typ.		
Long-term stability	< 0.2 % FS typ.		
Temperature sensitivity	< 0.02% FS typ. per °C at 0 to 50 °C / 32 to 122 °F		
Response time	1 ms for 10...90% of pressure range		
Vibration resistance	10 g at 5...500 Hz		
Mounting position	any		
Material	Body: aluminium		
	Shock resistance	50 g	
	Protection class	IP 67 with plug mounted	
	Temperature range	-25 °C to 85 °C / -13 °F to 185 °F	



Dimensions		Differential pressure	Operating pressure	Measurement range	Order number
B	Ø	max. bar	both ports max. bar	mbar/bar	
mm	mm				

Differential pressure transducer 4...20 mA				G $\frac{1}{2}$, 2-wire, with angular coupling socket	DP5
86	40	0.25	0.5	0... 1 mbar	DP5A-A1
				-1... 1 mbar	DP5A-A1V
				0... 2 mbar	DP5A-A2
				-2... 2 mbar	DP5A-A2V
86	40	0.35	0.75	0... 5 mbar	DP5A-A5
				-5... 5 mbar	DP5A-A5V
				0... 10 mbar	DP5A-B1
				-10... 10 mbar	DP5A-B1V
86	40	0.35	12	0... 25 mbar	DP5A-B2
				-25... 25 mbar	DP5A-B2V
86	40	1.4	12	0... 70 mbar	DP5A-B7
				-70... 70 mbar	DP5A-B7V
				0...350 mbar	DP5A-C3
				-350...350 mbar	DP5A-C3V
86	40	2	12	0... 1 bar	DP5A-01
				-1... 1 bar	DP5A-V1
86	40	4	12	0... 2 bar	DP5A-02
				0... 5 bar	DP5A-05
				0... 10 bar	DP5A-10



DP5

DP5-L1

Special options, add the appropriate letter

1...6 V	output signal	DP5V - . .
1 m connection cable	fixed at the device	DP 5 - . . L1

Accessories, enclosed

coupling socket, 4-pin socket with cable	M12x1, 2 m,	straight	KM12-A4-0	angular	KM12-C4-0
	5 m,	straight	KM12-A4-2	angular	KM12-C4-2
		straight	KM12-A4-5	angular	KM12-C4-5

