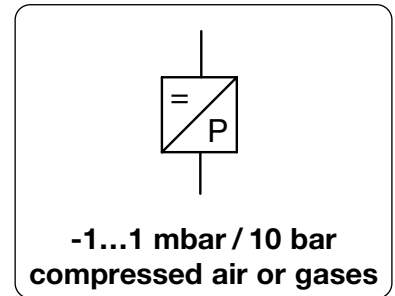


Description	The differential pressure between port H and L is converted into a proportional, electrical signal by a silicon pressure transducer, amplified and then monitored as an analogue voltage or current signal.		
Media	compressed air or non-corrosive gases		
Supply voltage	12...32 V DC, residual 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.	< 0.25% FS	
Repeatability	< 0.1 % FS typ.	< 0.5 % FS	
Long-term stability	< 0.2 % FS typ.	< 0.5 % FS	
Temperature sensitivity	< 0.02% FS typ. per °C at 0 to 50 °C / 32 to 122 °F	< 0.16% FS typ. per °C at 0 to 50 °C	
Response time	1 ms for 10...90% of pressure range	Shock resistance 50 g	
Vibration resistance	10 g at 5...500 Hz	Protection class IP 67 with plug mounted	
Mounting position	upright	Temperature range -25 °C to 85 °C / -13 °F to 185 °F	
Material	Body: aluminium		

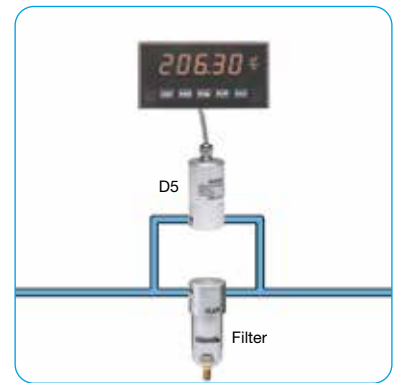


Dimensions		Differential pressure	Overpressure both ports	Measurement range	Order number
B	Ø	max. bar	max. bar	mbar/bar	
mm	mm				E*

Differential pressure transducer 4-20 mA				G½, 2-wire, with angular coupling socket	D5										
86	40	0.25	0.5	0... 1 mbar -1... 1 mbar 0... 2 mbar -2... 2 mbar	D5A-A1*1 D5A-A1V D5A-A2*1 D5A-A2V										
					86	40	0.35	0.75	0... 5 mbar -5... 5 mbar 0... 10 mbar -10... 10 mbar	D5A-A5*1 D5A-A5V D5A-B1*1 D5A-B1V					
										86	40	0.35	3.5	0... 25 mbar -25... 25 mbar	D5A-B2 D5A-B2V*1
														86	40
86	40	2	12	0... 1 bar -1... 1 bar						D5A-O1 D5A-V1					
				86	40	4	12	0... 2 bar 0... 5 bar 0... 10 bar	D5A-O2*1 D5A-O5*1 D5A-10*1						



D5 D5-L1



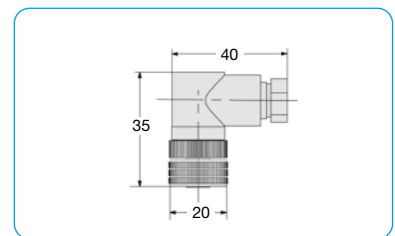
example: filter control

Special options, add the appropriate letter or number

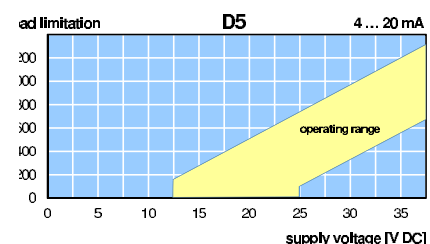
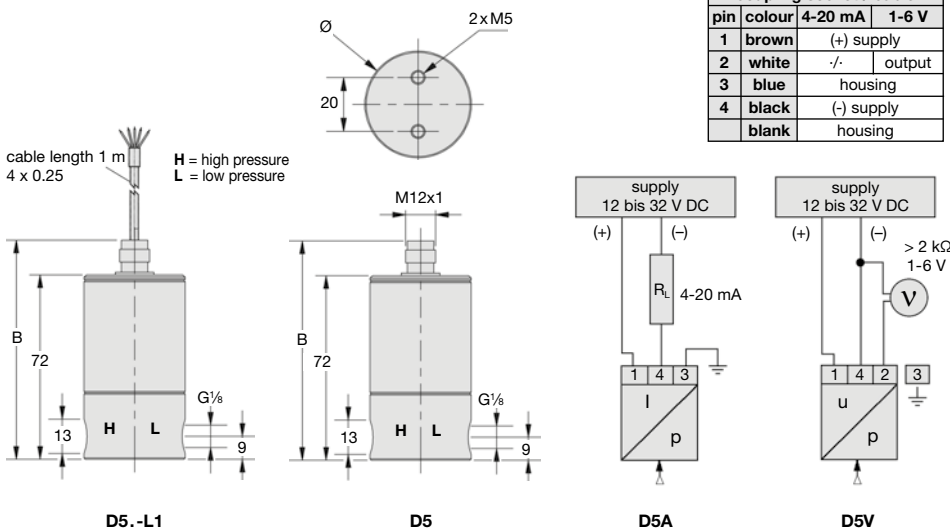
1-6 V	output signal, from measurement range 2 mbar > 10 mbar*1	D5V-...
1 m connection cable	fixed at the device	D5...L*1

Accessories, enclosed

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



KM12-C4-0



*1 Minimum order quantity 5 pieces

* Product group

Test chart: see chapter "Technical information"

PDF CAD
www.aircom.net



Order example:
D5A-A1