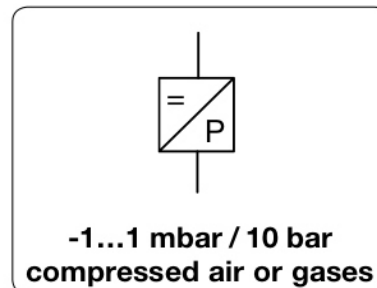


# D5 - Transmetteur analogique de pression différentielle

<b>Description</b>	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.		
<b>Media</b>	compressed air or non-corrosive gases		
<b>Supply voltage</b>	12...32 V DC, residual ripple 5%, with voltage protection		
<b>Electrical connector</b>	plug M12x1, 4-pin, optionally 4-wire connection cable		
<b>Output signal</b>	4...20 mA: max. power consumption 260 mW	1...6 V: max. power consumption 60 mW	
<b>Linearity/Hysteresis</b>	< 0.1 % FS typ.	< 0.25% FS	
<b>Repeatability</b>	< 0.1 % FS typ.	< 0.5 % FS	
<b>Long-term stability</b>	< 0.2 % FS typ.	< 0.5 % FS	
<b>Temperature sensitivity</b>	< 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	
<b>Response time</b>	1 ms for 10...90% of pressure range	<b>Shock resistance</b> 50 g	
<b>Vibration resistance</b>	10 g at 5...500 Hz	<b>Protection class</b> IP 67 with plug mounted	
<b>Mounting position</b>	upright	<b>Temperature range</b> -25 °C to 85 °C / -13 °F to 185 °F	
<b>Material</b>	Body: aluminium		



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

Differential pressure transducer 4-20 mA				G%, 2-wire, with angular coupling socket	D5
86	40	0.25	0.5	0... 1 mbar	D5A-A1*1
				-1... 1 mbar	D5A-A1V
				0... 2 mbar	D5A-A2*1
				-2... 2 mbar	D5A-A2V
86	40	0.35	0.75	0... 5 mbar	D5A-A5*1
				-5... 5 mbar	D5A-A5V
				0... 10 mbar	D5A-B1*1
				-10... 10 mbar	D5A-B1V
86	40	0.35	3.5	0... 25 mbar	D5A-B2
				-25... 25 mbar	D5A-B2V*1
86	40	1.4	12	0... 70 mbar	D5A-B7
				-70... 70 mbar	D5A-B7V
				0... 350 mbar	D5A-C3
				-350... 350 mbar	D5A-C3V*1
86	40	2	12	0... 1 bar	D5A-O1
				-1... 1 bar	D5A-V1
86	40	4	12	0... 2 bar	D5A-O2*1
		10	12	0... 5 bar	D5A-O5*1
		12	20	0... 10 bar	D5A-10*1



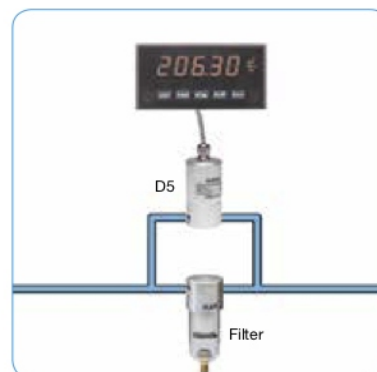
D5 D5-L1

## Special options, add the appropriate letter or number

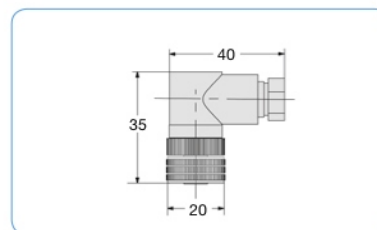
1-6 V	output signal, from measurement range 2 mbar > 10 mbar*1	D5V-..
1 m connection cable	fixed at the device	D5-..L*1

## Accessories, enclosed

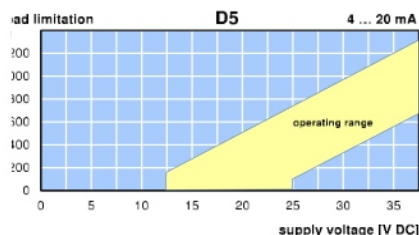
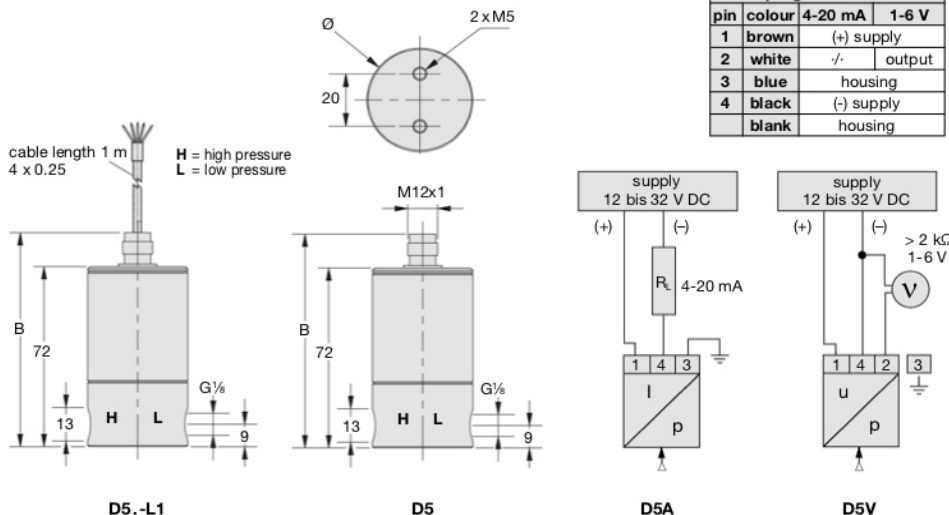
coupling socket 4-pin	M12x1, straight	KM12-A4-0	angular	KM12-C4-0
socket with cable	2 m, straight	KM12-A4-2	angular	KM12-C4-2
	5 m, straight	KM12-A4-5	angular	KM12-C4-5



example: filter control



KM12-C4-0



\*1 Minimum order quantity 5 pieces