

D2 - Transmetteur de pression, miniature

Description	The operating pressure is converted into a proportional, electrical signal by a ceramics stainless steel pressure transducer. After amplification the signal is monitored as an analogue voltage or current signal.	
Media	compressed air, natural gases or liquids	
Supply voltage	12-33 V DC	residual ripple 5%, with reverse voltage protection, max. current consumption 4 mA
Electrical connector	plug M12x1, 4-pin, with coupling socket	Protection class IP67 according to DIN EN60529
Output signal	4-20 mA: max. power consumption 260 mW	0-10 V: max. power consumption 50 mW
Repeatability	< 0,2% v.E	
Temperature sensitivity	< 0,2% v.E	
Ambient temperature	from - 30 °C to 85 °C	
Media temperature	from - 40 °C to 125 °C	
Shock resistance	100 g (11 ms)	
Material	Body: Stainless steel 316L, mat. no. 1.4404	O-Ring: FKM, optionally EPDM
	Coupling socket: Polyarylamid 50% GF UL 94 V-0	Measuring cell: Stainless steel (bar areas) ceramics AL ₂ O ₃ (mbar areas)

accurate to 0.2%
compressed air or liquids

Dimensions			Over-pressure	Under-pressure	Measurement range	Oder number
B	Ø	SW	max. bar	max. bar	bar	(4-20 mA)

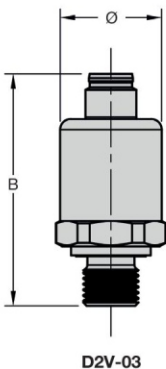
Miniature			G $\frac{1}{4}$ male stainless steel, for compressed air, natural gases or liquids, with angular coupling socket		D2	
55	24	24	-1	3,0	-1 ... 0 bar	D2A-V00
				3,0	-1 ... 1 bar	D2A-V01
				4,8	-1 ... 1,5 bar	D2A-V02
				7,5	-1 ... 2,5 bar	D2A-V03
				18	-1 ... 5 bar	D2A-V05
				30	-1 ... 9 bar	D2A-V09
				48	-1 ... 15 bar	D2A-V15
				75	-1 ... 24 bar	D2A-V24
				3,0	0 ... 1 bar	D2A-01
				4,8	0 ... 1,6 bar	D2A-02
				7,5	0 ... 2,5 bar	D2A-03
				12	0 ... 4 bar	D2A-04
				18	0 ... 6 bar	D2A-06
				30	0 ... 10 bar	D2A-10
				48	0 ... 16 bar	D2A-16
				75	0 ... 25 bar	D2A-25
				120	0 ... 40 bar	D2A-40
				180	0 ... 60 bar	D2A-60
				300	0 ... 100 bar	D2A-D1
				480	0 ... 160 bar	D2A-D2
				750	0 ... 250 bar	D2A-D3
				1200	0 ... 400 bar	D2A-D4
				1500	0 ... 600 bar	D2A-D6
				1500	0 ... 1000 bar	D2A-E1



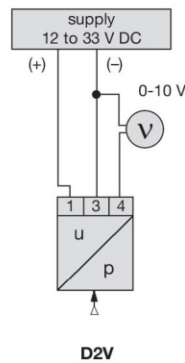
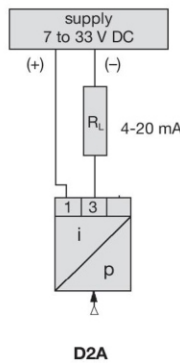
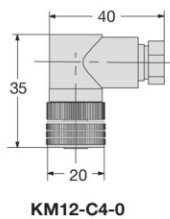
D2



KM12-C4-0

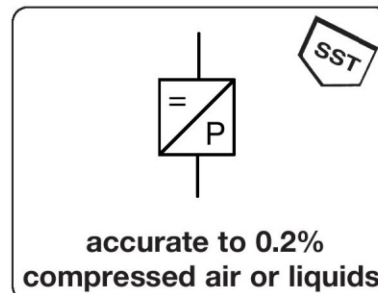


SW



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Dimensions			Over-pressure	Under-pressure	Measurement range	Oder number
B	Ø	SW	max. bar	max. bar	bar	(4-20 mA)
mm	mm	mm				

Miniature			G ¹ / ₄ male stainless steel, for compressed air, natural gases or liquids, with angular coupling socket		D2	
55	24	24	-0,3	2,0	-50 ... 50 mbar	D2A-B5V
					-100 ... 100 mbar	D2A-C1V
					-200 ... 200 mbar	D2A-C2V
					-300 ... 300 mbar	D2A-C3V
					-100 ... 0 mbar	D2A-VC1
					0 ... 50 mbar	D2A-B5
					0 ... 100 mbar	D2A-C1
					0 ... 200 mbar	D2A-C2
					0 ... 300 mbar	D2A-C3
					0 ... 400 mbar	D2A-C4
					0 ... 600 mbar	D2A-C6



D2



KM12-C4-0

Special options, add the appropriate letter or number

0-10 V output signal		D2 . . . V
deviant measurement range	to be indicated on order	D2 . - XX
absolute pressure range	measurement range from 0 ... 16 bar	D2 . . . A
flush-mounted diaphragm	fully welded	D2 . . . F
G ¹ / ₈ male	connection thread	D2 . . . 01
G ¹ / ₂ male	connection thread	D2 . . . 04
NPT	connection thread	D2 . . . N
EPDM elastomers		D2 . . . E
for oxygen	specially cleaned from measurement range 1 bar	D2 . . . 15

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