

Description

Media

Supply voltage

Electrical connector

Output signal

Repeatability

Temperature sensitivity

Ambient temperature

Media temperature

Shock resistance

Material

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. compressed air, natural gases or liquids

12-33 V DC residual ripple 5%, with reverse voltage protection, max. current consumption 4 mA

plug M12x1, 4-pin, with coupling socket **Protection class** IP67 according to DIN EN60529

4-20 mA: max. power consumption 260 mW 0-10 V: max. power consumption 50 mW

< 0,3% v.E **Long-term stability** < 0,3% v.E

< 0,2% v.E **Vibration resistance** 20 g at 15-2000 Hz

from -30 °C to 85 °C

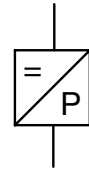
from -40 °C to 125 °C

100 g (11 ms)

Body: Stainless steel 316L, mat. no. 1.4404 O-Ring: FKM, optionally EPDM

Coupling socket: polyacrylamide 50% GF UL 94 V-0 Measuring cell: Stainless steel (bar areas)

ceramics AL₂O₃ (mbar/absolute pressure areas)



**accurate to 0.3%
compressed air or liquids**

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 $\frac{1}{4}$ male stainless steel, for compressed air, natural gases or liquids, with angular coupling socket

D2

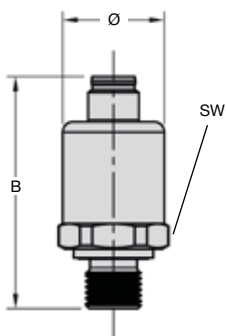
55	24	24	-1	3,0	-1 ... 0 bar	D2A-V00
				3,0	-1 ... 1 bar	D2A-V01
				4,8	-1 ... 1,5 bar	D2A-V02
				7,5	-1 ... 2,5 bar	D2A-V03
				18	-1 ... 5 bar	D2A-V05
				30	-1 ... 9 bar	D2A-V09
				48	-1 ... 15 bar	D2A-V15
				75	-1 ... 24 bar	D2A-V24
				3,0	0 ... 1 bar	D2A-01
				4,8	0 ... 1,6 bar	D2A-02
				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



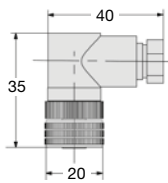
D2



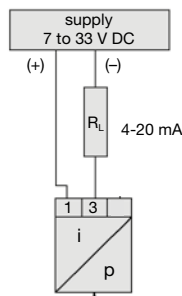
KM-A4-0



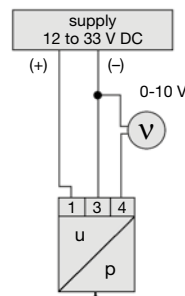
D2V-03



KM12-C4-0



D2A



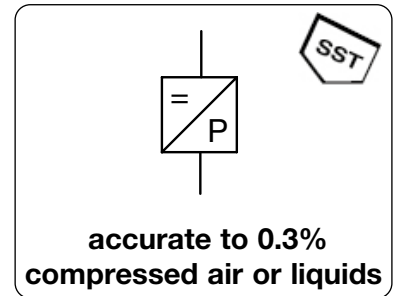
D2V

* Product group

PDF CAD
www.aircom.net



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	< 0,3% v.E	Long-term stability < 0,3% v.E	
Temperature sensitivity	< 0,2% v.E	Vibration resistance 20 g at 15-2000 Hz	
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: polyacrylamide 50% GF UL 94 V-0	Measuring cell: Stainless steel (bar areas) ceramics AL ₂ O ₃ (mbar/absolute pressure areas)	



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 $\frac{1}{4}$ 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



KM-A4-0

Special options, add the appropriate letter or number

0-10 V output signal	D2V - . .
deviant measurement range to be indicated on order	D2 . - XX
absolute pressure range measurement range from 0 ... 16 bar (Ceramic measuring cell)	D2 . - . . A
flush-mounted diaphragm fully welded	D2 . - . . F
G $\frac{1}{4}$ male connection thread	D2 . - . . 01
G $\frac{1}{2}$ 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

* Product group

