



Pressure Transmitter PCE-DMU 40



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Pressure Transmitter to 600 Bar / various connections / 0/4 ... 20 mA or 0 ... 10 V output / Stainless steel membrane

The pressure transducer PCE-DMU 40 can be used for relative and absolute pressure measurements. The pressure transmitter can be used for gases, water as well as fuels and oils. Its metallic stainless steel 1.4435 membrane provides good corrosion resistance in many industrial processes. The modular design of the pressure transmitter allows a combination of process connections, pressure ranges and electrical connection variants and therefore meets almost all requirements of industrial applications. The pressure transmitter has an accuracy of 0.25% of the measuring range. Stainless steel is used as the separating membrane.

- ▶ 2 or 3 conductor output
- ▶ 0/4 ... 20 mA or 0 ... 10 V (selectable)
- ▶ Smallest measuring range 0 ... 100 mBar
- ▶ Maximum measuring range 0 ... 600 bar
- ▶ 0.25% Accuracy of the measuring range
- ▶ Stainless steel diaphragm

Subject to change

Specifications

Technical Specification Pressure Transmitter PCE-DMU 40

Nominal pressure relative in bar	-1 ... 0	0.1	0.1	0.25	0.4	0.6	1	1.6	2.5	4	6
Nominal pressure absolute in bar	-	-	-	-	0.4	0.6	1	1.6	2.5	4	6
Overpressure in bar	5	0.5	1	1	2	5	5	10	10	20	40
Burst pressure in bar	7.5	1.5	1.5	1.5	3	7.5	7.5	15	15	25	50
Nominal pressure relative / absolute in bar	10	16	25	40	60	100	160	250	400	600	
Overpressure in bar	40	80	80	105	210	600	600	1000	1000	1000	
Burst pressure in bar	50	12	12	12	210	420	1000	1000	1250	1250	1800
Negative pressure	-1 ... 0 Bar; Overload: 4 Bar; Burst pressure: 7 Bar										
Vacuum resistance	P > 1 bar: unrestricted										

Output signal and power supply	2-wire	4 ... 20 mA: 8 ... 32 V DC
	3-wire	0 ... 20 mA: 14 ... 30 V DC
Load	3-wire	0 ... 10 V: 14 ... 30 V DC
	2-wire	: [(UB - UB min) / 0.02 A] Ω
	3-wire	current: 500 Ω
	3-wire	voltage: 10 kΩ

General technical data

Accuracy	± 0.25 % FSO
Long-term stability	< ±0.1 % FSO
Response time	2-wire : < 10 ms 3-wire : < 3 ms
Media	Fuels, oils oxygen water
Temperature ranges	Medium: -40 ... 125 °C Environment: -40 ... 85 °C Storage: -40 ... 100 °C
Pressure connection / housing	Stainless steel 1.4404
Seal	FKM
Diaphragm	Stainless steel 1.4435
Media contacting parts	Pressure connection, seals, separating diaphragm

More information

More product info



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