



# Pressure Transmitter PCE-DMU 10



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

The pressure transducer PCE-DMU 10 can be used for relative and absolute pressure measurements. The pressure transmitter can be used for fuels, oils and gases. The ceramic membrane allows a robust application in plant and machine construction, in the field of HVAC technology and also in commercial vehicle technology in the hydraulic sector. The modular design of the pressure transmitter allows a combination of process connections, pressure ranges and electrical connection variants and thus meets almost all requirements of industrial automation. The pressure transmitter has an accuracy of 0.5% of the measuring range.

- ▶ 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
- ▶ 0.5% Accuracy of the measuring range
- ▶ Ceramic diaphragm

Subject to change

# Specifications

## Technical Specification Pressure Sensor PCE-DMU 10

Nominal pressure relative in bar	-1 ... 0	1	1.6	2.5	4	6	10	16	25	40	60	100	160	250	400
Nominal pressure absolute in bar	-	1	1.6	2.5	4	6	10	16	25	40	60	100	160	250	400
Overpressure in bar	3	3	5	6	$\frac{1}{2}$	12	20	50	50	120	120	200	400	400	650
Burst pressure in bar	4	4	7	7.5	$\frac{1}{5}$	18	30	70	75	180	150	300	500	750	1000
Vacuum resistance	unlimited														

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

## General Specifications

Accuracy	± 0.5 % FSO
Long-term stability	< ±0.3 % FSO
Measuring rate	1 kHz
Response time	2-wire: < 10 ms
	3-wire: < 3 ms
Media	Fuels, oils, gases
Temperature ranges	Measuring material: -40 ... 125 °C
	Operating: -40 ... 85 °C
	Storage: -40 ... 100 °C
Pressure connection / housing	Stainless steel 1.4301
Seal	FKM
Diaphragm	Ceramic AL2O3
Contact with media parts	Pressure connection, seals, separating diaphragms

# More information

## More product info



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