

# EPT4000

Pressure transmitter



The EPT4000 pressure transmitter can be used in process technology and monitoring, hydraulics and building services engineering.

Thanks to the stainless steel housing and the ceramic sensor, it can measure pressures in the range from 100 mbar to 600 bar.

Due to the factory calibration and temperature compensation the pressure transmitter always delivers precise measurement results.

## HIGHLIGHTS

Measuring range	100 mbar to 600 bar
Accuracy range	±0,50 % FS (typical)
Calibration	Factory calibration and temperature compensation
Housing	Stainless steel 304
Sensor	Stainless steel 316L
Operating temp.	-20 °C to +85 °C
Protection class	IP66
Outputs, interfaces	4 to 20 mA, PNP&NPN

# TECHNICAL SPECIFICATIONS

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Housing	Stainless steel 304
Sensor / diaphragm	Stainless steel 316L
Oil filling	None
Protection class	IP66
Weight	~300 g

## OPERATION AND ACCURACY

Accuracy	±0.50 % FS (typical) to max. ±1.00 % FS
Operating temperatures	-20 °C to +85 °C
Compensated Temperature range	-10 °C to +70 °C
Long-term stability	0,2 % FS
Vibration	20 g RMS (20 to 2000 Hz)
Convulsion	100 g (10 ms)
Cycles	10·10 <sup>5</sup>

## ELECTRICAL CONNECTION

Output signal and supply	
	4...20mA
	PNP&NPN, closed (NC), open (NO)
S1, S2 Output	<500mA
Power supply	12...30 VDC
Current drain	max. 30mA, 24 VDC
Response time	<10ms
Voltage drop	<1V
Insulation resistance	100 MΩ with 100 VDC
EMC Test	IEC61000-6-2/IEC61000-6-3
Reverse polarity protection	No damage - no function

Signal	Nadel
Connection +	1 / brown
Connection -	3 / blue
Switching output S1	4 / black
Switching output S2	2 / white
4...20mA	5/grey

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The logo for EOM SOLUTIONS features the lowercase letters 'eom' in a stylized, white, sans-serif font. The 'e' and 'o' are connected, and the 'm' is separate. Below 'eom' is the word 'SOLUTIONS' in a smaller, white, uppercase, sans-serif font. The background of the logo area is a teal color with a faint, repeating pattern of circuit traces or a grid.

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