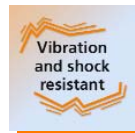


Small, compact and cost-saving pressure transmitter



Optimised PT pressure transmitter with analogue current output

- Slim, compact design with G 1/4 process connection
- Measuring accuracy $\leq \pm 0.5 \%$, repeatability $< \pm 0.05 \%$.
- Easy connection via M12 connector
- Optimised price / performance ratio
- Completely made of stainless steel



Optimised price / performance ratio

The new generation of PT pressure sensors now has an integrated thin film cell instead of a strain gauge measuring cell. Thanks to this, PT540x series pressure sensors offer greater accuracy at the best possible price / performance ratio, complementing the range of ifm's pressure sensors.

The applications

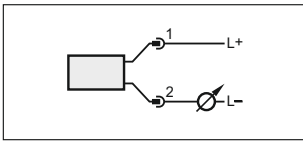
The PT type sensors are optimised for industrial applications with oils, compressed air or water. Since the measuring cell is welded directly to the housing, no separate seal is required. The measuring cell is resistant to pressure peaks.

High vibration and shock resistance as well as protection rating IP 67 and IP 69K perfectly comply with the requirements of this field of application.


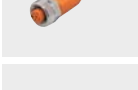




Monitoring of hydraulics on a press

Wiring diagram



Connection technology

Type	Description	Order no.
	Socket, M12, 2 m black, PUR cable	EVC001
	Socket, M12, 5 m black, PUR cable	EVC002
	Socket, M12, 2 m black, PUR cable	EVC004
	Socket, M12, 5 m black, PUR cable	EVC005

Relative pressure measuring range [bar]	Poverload max. [bar]	Pburst min. [bar]	Order no.
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Output function 4...20 mA

0...10	25	300	PT5404
0...25	60	600	PT5403
0...100	200	1000	PT5402
0...250	500	1200	PT5401
0...400	800	1700	PT5400

Common technical data

Operating voltage	[V DC]	8.5...36
Reverse polarity protection		•
Accuracy / deviations (in % of the span)		
Deviation of the characteristics		< ± 0.5
Linearity		< ± 0,1 BFSL / < ± 0,2 LS
Hysteresis		< ± 0.2
Temperature coefficients in the temperature range -25...90°C (in % of the span per 10 K)		
Temperature coefficient of zero		< ± 0.1
Temperature coefficient of the span		< ± 0.1
Medium temperature	[°C]	-40...90
Protection		IP 67 / IP 69K
Wetted parts		NBR, high-grade stainless steel (1.4542)
Step response time	[ms]	1

Accessories

Type	Description	Order no.
	Adapter; G 1/4 - G 1/2, stainless steel (1.4571 / 320S31)	E30135