

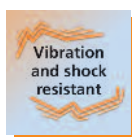


Compact PT Series pressure transmitter



Transmitter with 4...20 mA output fits in tight mounting spaces

- **Fast response time: 1 millisecond**
- **Robust low-cost solution with welded stainless steel housing**
- **Measuring accuracy <math>< \pm 0.5 \%</math>, repeatability <math>< \pm 0.05 \%</math>**
- **1/4" NPT process connection**
- **Easy connection via M12 connector**



Compact housing for industrial applications

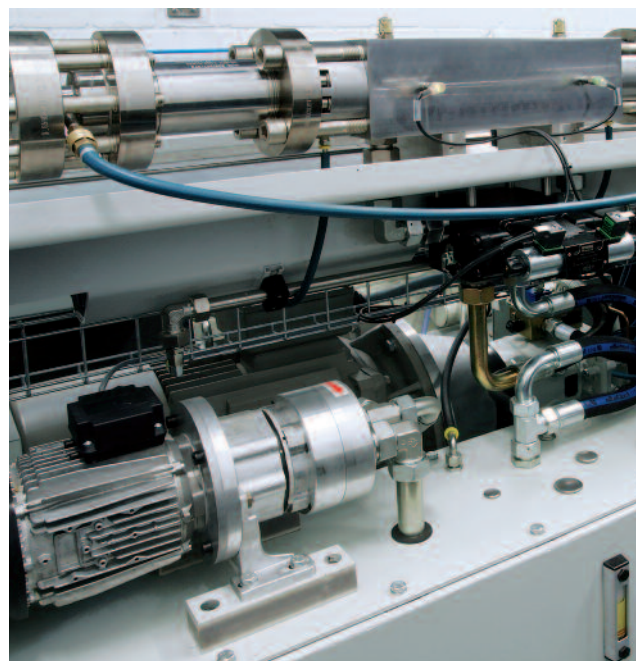
The new compact PT pressure transmitter is ideal for monitoring pressure in hydraulics and pneumatics applications as well as inert gases where mounting space is limited.

These pressure sensors feature a thin film measuring cell which is welded directly to the process connection. No separate seal is required. This innovative design technology guarantees high accuracy in a compact housing.

Constructed of stainless steel, the robust PT pressure sensors are designed to withstand extreme shock and vibration in harsh environments. The one-piece, completely welded housing eliminates moisture ingress and is rated IP 67 / IP 69K.

The transmitter provides an analog output at an exceptional fast response time of 1 millisecond and reliable repeatability of <math>< 0.05 \%</math>.

Through innovative design technology, features that ensure reliability, and a starting list price of \$130, ifm sets a new benchmark for price / performance.




With its fast response time of 1 millisecond, the miniature PT pressure transmitter accurately monitors pressure on a high-speed pump.





Pressure Sensors

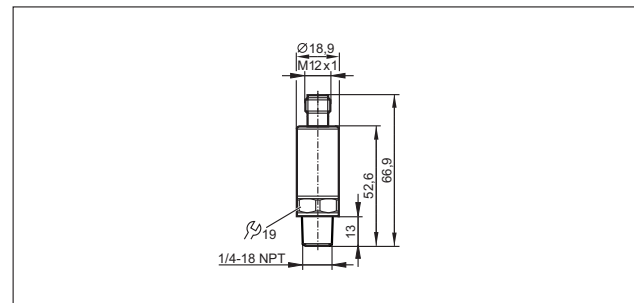
PT Series Pressure Transmitters

Type	Pressure Range (psig)	Overload Pressure (psig)	Burst Pressure (psig)	Part No.
	5,000	14,500	24,650	PT2400
	1,000	2,500	13,050	PT2402
	500	1,450	11,600	PT2443
	200	580	6,525	PT2424
	100	250	2,900	PT2415

Cordsets

Type	Description	Part No.
	M12 Micro DC, 2 m, PUR cable	EVC001
	M12 Micro DC, 5 m, PUR cable	EVC002
	M12 Micro DC, 2 m, PUR cable	EVC004
	M12 Micro DC, 5 m, PUR cable	EVC005

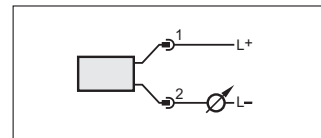
Dimensions



Technical Data

Operating voltage	8.5...36 V DC
Accuracy / deviation (in % of the span)	
Linearity error	< ± 0.5
Linearity	< ± 0.1 BFSL / < ± 0.2 LS
Hysteresis	< ± 0.2
Repeatability	< ± 0.05
Long-term stability	< ± 0.1
Temperature coefficients (TEMPCO) in the temperature range -40 ... 90 °C (in % of the span per 10 K)	
TEMPCO of zero + span	< ± 0.1 (-25...90 °C) < ± 0.2 (-40...25 °C)
Medium temperature	-40...90 °C
Ambient temperature	-40...90 °C
Protection	IP 67 / IP 69K
Wetted parts	High-grade SS (17-4 PH / 630)
Response time	1 ms

Wiring diagram



PROUDLY DISTRIBUTED BY

FACTORY CONTROLS
03 5278 8222
sales@factorycontrols.com.au
www.factorycontrols.com.au
65 Douro Street, North Geelong Victoria 3215

Lit. No.: U10615

ifm – close to you!

ifm efector USA
1100 Atwater Drive
Malvern, PA 19355
800-441-8246
www.ifm.com/us

ifm efector Canada
2233 Argenta Road, Suite 104
Mississauga, ON L5N 2X7
855-436-2262
www.ifm.com/ca

ifm efector Mexico
Ave. Arq. Pedro Ramírez Vázquez
200-4, Planta Baja Col. Valle Oriente
San Pedro Garza García, N.L. 66269
01-800-813-4363
www.ifm.com/mx