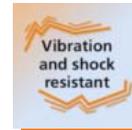


An update for the bestseller: PN pressure sensor with a new look



Even easier to use and with improved visualisation

- Clearly indicate the acceptable ranges: programmable red / green display
- The process connection can be rotated for optimum alignment
- Fast switch point setting by using three pushbuttons
- Visualisation of the switching states by clearly visible LEDs
- Can still be identified after many years: captive laser labelling on stainless steel housing



The overall package makes the difference

After 20 years of successful ifm pressure sensor history, the new generation of PN sensors was developed in close coordination with the users. Its modern and user-friendly design stands out. High overload protection, IP 67 and the captive laser labelling make the new PN sensors your perfect partner even in the most harsh environments.

Everything at a glance

Although the housing size has remained unchanged, the display size has been increased once again and the switching status LEDs on the sensor head can be clearly seen from all sides. The display can be switched from the indication of "red" to an alternating indication of "red - green". So, switching states can be highlighted or an independent colour window can be created.

Flexible

Once fitted, rotate the sensor in any direction: The new PN allows free rotation as well as any mounting position using angle brackets as an accessory.



Measuring cell	Measuring range relative pressure	Order no. G 1/4 female	Order no. G 1/4 male	Order no. G 1/4 female	Order no. G 1/4 male	Order no. G 1/4 female	Order no. G 1/4 male
M12 connector output function programmable		2 x NO/NC		NO/NC + analogue: 4...20 mA / 0...10 V		2 x NO/NC or 1 x NO/NC + 1 x analogue (4...20 mA / 0...10 V; scalable)	
Metal (thin film)	0...600 bar	PN7160	PN7560	PN3160	PN3560	PN2160	PN2560
	0...400 bar	PN7070	PN7570	PN3070	PN3570	PN2070	PN2570
	0...250 bar	PN7071	PN7571	PN3071	PN3571	PN2071	PN2571
Ceramic-capacitive	0...100 bar	PN7092	PN7592	PN3092	PN3592	PN2092	PN2592
	0...25 bar	PN7093	PN7593	PN3093	PN3593	PN2093	PN2593
	-1...10 bar	PN7094	PN7594	PN3094	PN3594	PN2094	PN2594
	0...2,5 bar	PN7096	PN7596	PN3096	PN3596	PN2096	PN2596
	0...1000 mbar	PN7097	PN7597	PN3097	PN3597	PN2097	PN2597
	-12,5...250 mbar	-	-	-	-	PN2098	PN2598
	-1000...1000 mbar	PN7099	PN7599	-	-	PN2099	PN2599
	-1000...0 mbar	-	-	PN3129	PN3529	-	-
	-500...500 mbar	-	-	-	-	PN2169	PN2569

Accessories

Type	Description	Order no.
	Angle bracket, PA66	E30421
	Protective cover, new generation	E30420
	Tag clip	E30422
	Damping screw, G 1/4 female	E30419
	Damping screw, G 1/4 male	E30057
	Siphon, G 1/4, steel (1.0345)	E30140
	Memory plug, parameter memory for IO-Link sensors	E30398
	IO-Link interface, current consumption from USB port	E30396
	LINERECORDER SENSOR, software for parameter setting and set-up of IO-Link sensors	QA0001

Common technical data

Type of pressure: relative pressure Liquids and gases		
Operating voltage	[V DC]	18...30
Current rating	[mA]	200 (up to 60 °C environment)
Accuracy / deviation (in % of the span) turn down 1:1		
Deviation of the switch point		< ± 0.5 / (0.4 PN2)
Linearity error		< ± 0.25 (BFSL)
Repeatability		< ± 0.5 (LS) < ± 0.1
Temperature coefficients (TEMPCO) in the temperature range 0 ... 80 °C (in % of the span per 10 K)		
Greatest TEMPCO of zero		< ± 0.2
Greatest TEMPCO of the span		< ± 0.2
Switching frequency	[Hz]	≤ 170
Medium temperature	[°C]	-25...80
Protection		IP 67
Shock resistance	[g]	50
Vibration resistance	[g]	20
Communication interface		IO-Link 1.1 COM2 slave; 38.4 kbaud

Connection technology

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

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