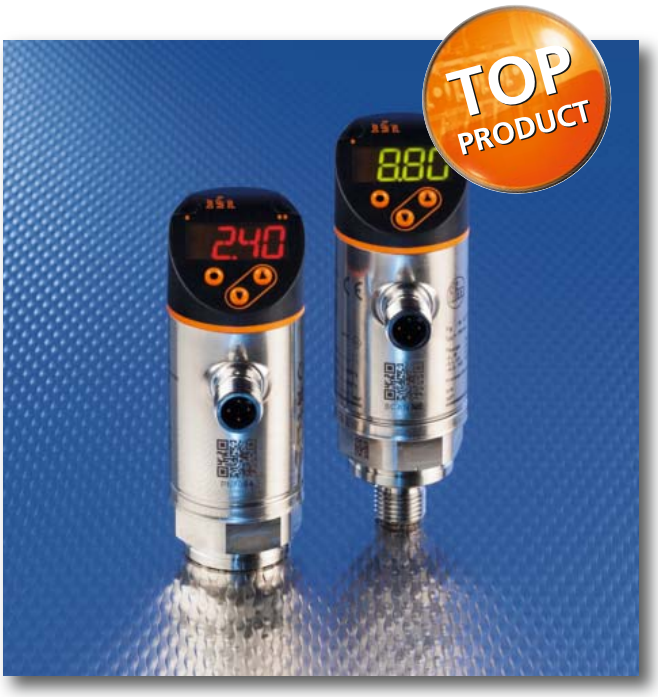
An update for the bestseller: PN pressure sensor with a new look



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

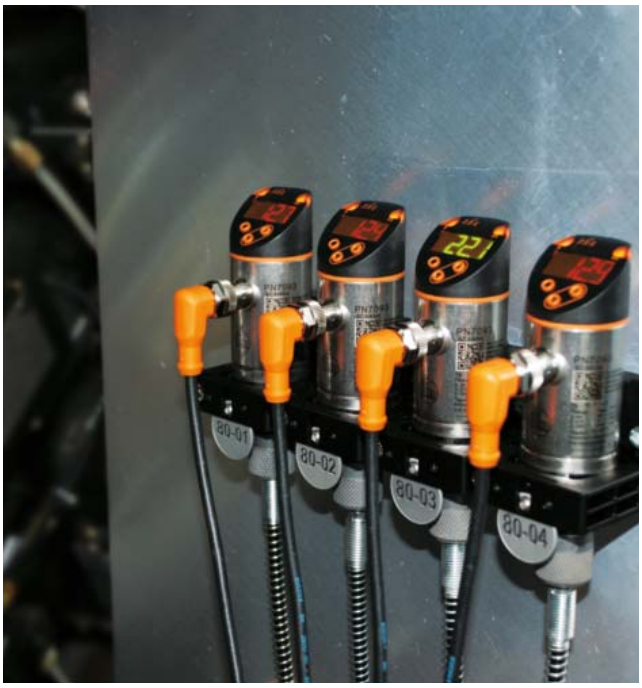
After 20 years of successful ifm pressure sensor history, the new generation of PN sensors was developed in close coordination with the users. Its modern and user-friendly design stands out. High overload protection, IP 67 and the captive laser labelling make the new PN sensors your perfect partner even 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) < ± 0.5 (LS)
Repeatability		< ± 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**