

**Press release****wpi 340 / 1108
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The pressure sensor PN7, often used in pneumatic applications, now has additional features making it even more interesting for these applications.

As regards accuracy, the new PN78 with the piezoresistive silicon measuring cell is every bit as good as the sensors having used a ceramic measuring cell so far. With less than 0.5 %, the switch point accuracy is very good; just like the repeatability with less than 0.1 %.

Thanks to its special design the sensor allows differential pressure measurements without having to connect a second pressure pick-up. The measuring range (relative pressure) is -1...10 bar (PN7834) or -1...1 bar (PN7809). The measuring cell can withstand an overload pressure of up to 20 bar. The bursting pressure is minimum 30 bar. Another advantage is the high protection rating IP 67.

Due to the new process connection with G 1/8 I thread and numerous fixing holes, the PN78 meets also common pneumatic standards. The process connection and optional adapters enable variable fixing options.

The two outputs can be programmed by the user as 2 x NC/NO or 1 x NC/NO and 1 x diagnostic output.

In addition to the 4-digit alphanumeric display, 5 LEDs indicate the switching status and operating status.

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