

New Product Announcement

Mouser Electronics First to Stock Amphenol Advanced Sensors NPR-101 Harsh Media Pressure Sensor

May 9, 2016 – [Mouser Electronics](http://www.mouser.com), Inc. is the first global distributor to stock the new [NPR-101](#) harsh media pressure sensor from [Amphenol Advanced Sensors](#). This silicon-based micro-electro-mechanical systems ([MEMS](#)) device provides highly accurate pressure readings for harsh media, including vehicle transmission fluid, oil, and fuel.

The [Amphenol Advanced Sensors NPR-101](#) harsh media pressure [sensor](#), available from Mouser Electronics, uses “Backside Absolute Pressure” technology designed for harsh media exposure, which eliminates the direct contact of the sensing circuitry with the applied media. The device is coupled with an application-specific integrated circuit (ASIC) to provide a ratiometric output proportional to the applied pressure.

The [NPR-101](#) sensor includes integrated diagnostics and operates at a full-scale pressure range of 300 PSIA (20.68 Bar) and an output range of 10 to 90 percent of the 4.5 – 5.5 VDC supply voltage. The sensor features a proof pressure of 1.5 times the rated pressure and a burst pressure of 2.5 times the rated pressure. In the -20 to +100 degrees Celsius range, the sensor’s total error band is ± 2 percent (± 3 percent in the range of +100 to +140 degrees Celsius).

To learn more about the NPR-101 harsh media pressure sensor, visit <http://www.mouser.com/new/amphenol-advanced-sensors/amphenol-npr-101-sensor/>.

To learn more about MEMS technology, visit <http://www.mouser.com/applications/mems-technology/>.

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About Mouser Electronics

Mouser Electronics, a subsidiary of TTI, Inc., is part of Warren Buffett's Berkshire Hathaway family of companies. Mouser is an award-winning, authorized semiconductor and electronic component distributor, focused on the rapid introduction of new products and technologies to electronic design engineers and buyers. Mouser.com features more than 4 million products online from more than 600 manufacturers. Mouser publishes multiple catalogs per year providing designers with up-to-date data on the components now available for the next generation of electronic devices. Mouser ships globally to over 500,000 customers in 170 countries from its 750,000 sq. ft. state-of-the-art facility south of Dallas, Texas. For more information, visit www.mouser.com.

About Amphenol Advanced Sensors

Amphenol Advanced Sensors is a leading innovator in advanced sensing technologies and innovative embedded measurement solutions customized for regulatory and industry driven applications, creating value by providing critical information for real time data decisions. Amphenol Advanced Sensors is a company of industry leader brands such as Telaire, Kaye, Thermometrics, Modus Instruments, NovaSensors, and Protimeter. Amphenol Advanced Sensors offers industry leading domain expertise, rapid customization, world-class manufacturing capability and lasting customer relationships to deliver the greatest value in cost of ownership to their customers.

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