



**American Sensor Technologies, Inc.**

*Your sensor business partner...*

## News Release

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Press Release link with media download:

<http://www.astsensors.com/pressrelease/1-4-FNPT-non-incendive-intrinsically-safe.php>

## For Immediate Release

### **Non-Incendive, Intrinsically Safe, and Explosionproof Pressure Transmitters Available with 1/4" Female NPT in 316L Stainless Steel**

Mount Olive, NJ - November 4, 2009

American Sensor Technologies, Inc. (AST) has released its non-incendive, intrinsically safe and explosionproof pressure transmitter product lines with the option of ¼" NPT female pressure ports made from 316L Stainless Steel. 316L SS meets NACE MR0175 material requirements to prevent sulfide stress cracking from sour gas. This new thread will increase support for on-shore and off-shore markets. While AST's ½" NPT male pressure port has been gaining popularity in the oil field due to its large, non-clogging opening, the ¼" NPT female version gives customers the option to install products as retrofits for existing panels or sites. The ¼" NPT female has been a popular thread due to the lower price of mating connector fittings. The new thread reduces the overall length of the sensors to approximately 3.25 inches. While the AST hazardous area pressure transmitter products are already between one and three inches smaller than the competition, this latest option gives more room in the rest of the system and saves weight.

Customers can order ¼" NPT female pressure transmitters with non-incendive, intrinsically safe, or explosionproof ratings. The AST4300, AST4310 and AST43LP series combine to offer pressure ranges of 0-2.5 to 10,000 PSI for Class I Division II Non-Incendive Groups A, B, C, D applications. The same pressure ranges are available in the AST4400, AST4410 and AST44LP series rated for Class I Division 1 Intrinsically Safe Groups C, D with an approved barrier. Finally, the AST4600 will operate in Class I Division 1 Explosionproof Groups A, B, C, D areas and AST46HA in Groups C and D with pressure ranges from 0-50 to 10,000 PSIS. The letter "I" designates the ¼" NPT female pressure port in all models.

All products can be offered with AST's CSA ANSI/ISA 12.27.01-2007 Single Seal rating for pressure measurement applications in Canada.

For more information on these products, visit our website: <http://www.astsensors.com>

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### **About American Sensor Technologies, Inc.**

American Sensor Technologies, Inc. (AST) manufactures MEMS pressure sensors, pressure transducers and pressure transmitters that offer the best price-performance ratio in the industry. Manufactured in New Jersey, AST pressure sensing products are built with a full selection of hazardous area and industrial approvals to service customer applications. Common industries utilizing AST sensor products are industrial OEM hydraulic systems, fuel cells, medical gases, HVAC, refrigeration (ammonia, Freon, CO<sub>2</sub>), Oil & Gas exploration and production, and off-road vehicles. AST's exclusive, proprietary Krystal Bond™ Technology (an advanced process in which inorganic materials are molecularly diffused onto a metallic surface in the presence of certain gases), produces high-performance pressure sensing products through the use of a single piece of stainless steel. AST offers a variety of UL and CSA approvals for Explosion-proof, Intrinsically Safe, and Non-incendive pressure transmitter applications. For more information on AST pressure sensing products and technology, please visit [www.astensors.com](http://www.astensors.com). Through the acquisition of noted LVDT manufacturer Macro Sensors ([www.macrosensors.com](http://www.macrosensors.com)), AST also offers a full line of linear/rotary position sensors, as well as related instrumentation.