



**American Sensor Technologies, Inc.**

*Your sensor business partner...*

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### **Solid State Pressure Switch Measures Gases and Liquids Compatible with Stainless Steel**

Landing, NJ, January 5, 2005... American Sensor Technologies, Inc. ('AST') has developed a superior quality, high-accuracy Solid State Pressure Switch for the measurement of gases and liquids compatible with stainless steel. Constructed of stainless steel, the rugged design of Model 1000 units make them ideal for industrial, hydraulic, refrigeration, off-road and agricultural applications such as boiler controls, HVAC, filtration, and pipeline gas instrumentation.

Offering excellent, long-term stability, Model 1000 pressure switches feature a compact design with excellent long-term stability. Its one-piece diaphragm is free of internal O-rings, welds or fill fluids, eliminating the chance of process contamination. A high level of EMI/RFI protection (100V/m) shields the units against electrical noise and interference. Heavy-duty relay contacts offer electrical isolation up to 500VDC. Model 1000 units also have wide operating temperature ranging from -40 to 85°C (-40 to 185°F).

The competitively priced Model 1000 offers a factory set switching point and hysteresis. Units offer switching capability of 1 amp @24V DC or 0.5 amps @ 125V AC, max. Open or closed output is provided, based on customer's defined switching point. At lower currents, pressure switches exhibit a high switching cycle life of 2 million pressure cycles. Units are available in pressure ranges up to 10,000 psi.

Pricing for the AST Series of pressure sensors begins at \$250 with low quantity discounts available. For additional information, please visit American Sensor Technologies website at [www.astsensors.com](http://www.astsensors.com) or email inquiries to [info@astsensors.com](mailto:info@astsensors.com)

#### **About AST**

AST manufactures state-of-the-art, MEMS-based pressure sensors, transducers, and transmitters that offer the best price-performance ratio in the industry. Common applications of AST sensor products are in industrial OEM, hydraulic systems, fuel cells, medical gases, HVAC/R, refrigeration (ammonia, Freon, CO2), oil & gas exploration and production, and off-road vehicles.

By combining exotic metals and 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), AST can produce high-performance strain gauge pressure sensors that support the specialized needs of key niche markets. Many AST products are UL listed as intrinsically safe and certified for explosion-proof required environments. Some of the world's most highly respected industrial Fortune 500 corporations have tested and now use AST products in a wide range of critical and harsh environments. For more information on AST products and technology, go to AST's website at [www.astensors.com](http://www.astensors.com).

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