



**American Sensor Technologies, Inc.**

*Your sensor business partner...*

**FOR IMMEDIATE RELEASE**

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### **AST OFFERS DIGITALLY COMPENSATED PRESSURE TRANSDUCER**

Mt. Olive, NJ - August 1, 2008. American Sensor Technologies, Inc. (AST) unveils the new digitally compensated, CE approved, AST20HA high accuracy pressure transducer to complement its existing OEM and Hazardous Area pressure sensing products. This model is intended for use in applications requiring high performance over a range of operating conditions at an affordable price. The AST20HA is extremely versatile and suitable for a variety of applications including, but not limited to: test stands, hydrogen filling stations, medical laboratories and military/aerospace vehicles and equipment.

The AST20HA's ASIC design features real time thermal compensation and linearity correction, enabling it to excel in dynamic temperature environments where ordinary sensors fail. Furthermore, its one piece stainless steel construction is built upon the proven performance of AST's Krystal Bond™ Technology, bringing the AST20HA into its own league of high performance pressure sensing. The AST20HA contains no internal o-rings, taking the guesswork out of o-ring to media compatibility, and is equipped with 100V/m of EMI/RFI protection from electrical noise. The low operating strain of the diaphragm offers excellent non-repeatability and long-term stability.

Moreover, this model operates at a wide temperature range (-40°F to 185°F) and offers pressure ranges up to 10,000psi. More specifically, the AST20HA series provides pressure ranges from 0-25 psi to 0-10,000 psi and is available in compound ranges up to 2500 psi. Output options include: 4-20mA, 1-5V, 1-10V, and 0.5 - 4.5V ratiometric.

For more information on the digitally compensated pressure sensors, visit the AST website at [www.astsensors.com](http://www.astsensors.com) or contact the factory at [info@astsensors.com](mailto:info@astsensors.com).

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## **About AST**

AST manufacture state-of-the-art, MEMS-based pressure sensors, transducers and transmitters that offer the best price-performance ratio in the industry. Through the acquisition of noted LVDT manufacturer Macro Sensors(<http://www.macrosensors.com/>), AST also offers a full line of linear/rotary position sensors, as well as related instrumentation. Common applications of AST sensor products are in industrial OEM, hydraulic systems, fuel cells, medical gases, HVAC/R, refrigeration (ammonia, Freon, CO<sub>2</sub>), 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) in the manufacture of its pressure sensors, AST can produce high-performance pressure units 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. For more information on AST products and technology, please go to AST's website at [www.astensors.com](http://www.astensors.com).