American Sensor Technologies
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News Release

AST Contact: Karmjit S. Sidhu - (973) 448-1901 - sales@astsensors.com
Media Contact: Jean Carl - (610) 565-2288 - fjcarl@comcast.net
Website: http://www.astsensors.com/
Press Release link with media download:
http://www.astsensors.com/pressrelease/Press_military-spec-pressure-transmitters.php

For Immediate Release

Pressure Transmitters for Military Aerospace Applications

Mt. Olive, NJ - June 2, 2010

American Sensor Technologies, Inc. (AST) proudly offers pressure transducers and transmitters for military and aerospace applications. Made in the USA, AST builds its pressure sensing products for applications including, military trucks, unmanned vehicles, armored vehicles, fuel monitoring, compressors, transmissions and hydraulic pumps and motors for a variety of government vehicles and test equipment.

Two product families that have been most popular among military and aerospace applications are the AST2000 and AST20HA pressure transmitters. Both products feature AST's Krystal Bond™ Technology, which is comprised of a one-piece stainless steel sensing element, free of welds, oil-filled cavities, and internal O-rings. These applications have a wide operating temperature band from -55 to 75°C (-65 to 160°F); the one piece sensing element will not have O-ring failure inside the sensor or frozen/boiling fluid filled cavities which is typical of competing designs at severe temperatures. The AST2000 and AST20HA are also digitally compensated, providing unsurpassed accuracy across the entire operating temperature range.

Pressure transmitter survival is critical for military and aerospace applications. The AST2000 and AST20HA can handle shock, vibration, and wash-down to military standards such as MIL-810 and MIL-461. Both products can be manufactured with connectors, including the Bendix 4-pin and 6-pin versions.

In order to promote the use of US steel, many government programs require that the steel used in the system is melted by US steel companies through Defense Federal Acquisition Regulation Supplement (DFARS) 52.225-7014 Alt. 1. AST can provide a Certificate of Conformance to ensure the product meets the requirements of the Berry Amendment.

The AST2000 series has been more popular in vehicle applications because of its compact and light weight design. The AST20HA pressure transmitter is commonly used in aerospace applications because of its superior linearity correction and high performance over wide temperature ranges. Either way, AST sensors are the right fit to handle extreme temperature conditions.

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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_2), 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.astsensors.com. Through the acquisition of noted LVDT manufacturer Macro Sensors (www.macrosensors.com), AST also offers a full line of linear/rotary position sensors, as well as related instrumentation.

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450 Clark Drive, Mt. Olive, New Jersey 07828 USA
Ph (973) 448-1901 Fax (973) 448-1905