



# Pressure Transmitters for MILITARY/AEROSPACE

## Applications

*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.*

## Overview and Benefits

American Sensor Technologies, Inc. (AST) 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 pressure transmitter applications are the **AST2000** and **AST20HA**. 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. Even though 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.

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