



American Sensor Technologies, Inc.

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AST INTRODUCES NEW, LOOP-POWERED DIGITAL PRESSURE GAUGE

Mt. Olive, NJ - May 15, 2007. American Sensor Technologies, Inc. (AST) announces a new addition to its product line, the AG200. This media-isolated, digital pressure gauge offers a 4-20mA output signal complete with a large LCD display. Utilizing AST's *Krystal Bond™ Technology*, the AG200 provides the quality and performance as an AST sensor, with the additional benefit of a local readout.

The AG200 can display each of the following measuring units with the push of a button: PSI, BAR, kg/cm, ATM, inches H₂O, and inches Hg. The gauge also offers the option to view the 4-20mA output signal on the LCD display. By utilizing the "Test" button, the user can evaluate the loop current to ensure the system is set up correctly, as well as adjust the current in two milliamp increments. Through the use of selecting a pressure reference, the AG200's factory set calibration points and/or output can be reset or adjusted through a few simple steps and the factory settings can be restored at any time.

This digital pressure gauge will operate in temperatures that range from -10° to 70°C (14° to 158°F) and can be stored safely in -40° to 65°C (-40° to 150°F) temperatures. The AG200's loop current update rate is 32 times per second along with a display update rate of 3 times per second. Additionally, the digital pressure gauge is supplied with 7.5 to 32VDC power and offers reverse polarity protection. A "Low-Loop Icon" will be displayed if the minimum power requirements are not met. The AG200 provides <+/- 0.5% BFS, including Non-linearity, Hysteresis and Non-repeatability. Pressure ranges from 0-50 to 1,000 PSI are available. The AG200 is rated for over 100 million pressure cycles and is built to withstand 5x burst pressure.

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The AccuGauge (AG200) can be used in a variety of applications including, process controls, HVAC, test stands and data loggers. The standard fittings available for this loop-powered gauge include 1/4" NPT male and 1/8" NPT female in order to provide flexibility during installation. Each gauge is supplied with a Mini-DIN43650C electrical connection so the AG200 can be installed independently from the wiring. Competitive pricing begins at \$325 with quantity discounts starting at 5 units. For more information on this product please visit the AST website at www.astsensors.com or contact the factory directly at info@astsensors.com.

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, 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) 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.astsensors.com.