Pressure transmitter includes 5 PSID measurement range

American Sensor Technologies now offers its AST5300 Wet/Wet Differential Pressure Transmitter [1] with a 5 PSID measurement range to address requirements in the flow and filtration markets.

The 5PSID is an additional, lower pressure option. Customers can measure differential pressure with the same line pressure as the 10 PSI version, but will now have the differential. If a customer is monitoring flow, they can measure smaller changes in pressure across an orifice plate more accurately.

For level measurement of sealed and vented tanks, the lower pressure range will measure smaller tanks more accurately. For example, 5 PSI is approximately 138.4" water column (11.533 feet). While the thermal error is slightly greater for the 5 PSID range, the overall performance for lower pressures is greater by calibrating it at AST to 5 PSID. With the high side installed at the bottom of tank and low side measuring pressure at the top of the tank, pressurized vessels tanks can monitor pressure accurately.

The AST5300 Wet/Wet Differential Pressure Transmitters / Transducers offer low differential pressure ranges in high line pressures (1500 PSI) with excellent burst pressure capabilities. With no oil filled cavities and no internal o-rings to fail, the AST5300 are ideal for food and beverage, oil & gas, fluid power, pharmaceuticals, and semiconductor industries and cold ambients.

AST will continue to develop other pressure ranges for this series. For more information on these Submersible Pressure Sensors, visit http://www.astsensors.com/differential_pressure_sensors/AST5300 [1]

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Links:
[1] http://www.astsensors.com/differential_pressure_sensors/AST5300