Combo Pressure-Temperature Sensors Offer Both Outputs At One Process Point

American Sensor Technologies (AST) introduced a pressure/temperature sensor and pressure/temperature transmitter that provide both pressure and temperature outputs from a single process point. This dual output configuration is said to reduce process penetration points and leaks that are important considerations in critical systems such as hydrogen, oxygen, heavy oil processing, hydraulics, analyzers, offshore, pipelines and ammonia systems. The Model AST20PT Stainless Steel Media Isolated Pressure/Temperature Sensor and Model AST46PT Explosion-proof Pressure/Temperature Transmitter also are appropriate for low-power systems as both a pressure and temperature reading are generated with the power consumption of one sensor. Incorporating a microprocessor-controlled design, along with the company's one-piece body construction, both the Model AST20PT sensor and Model AST46PT transmitter offer high accuracy pressure and temperature measurements of +/-0.1 percent and 1.0 percent BFSL, respectively. Both units are available in various temperature ranges from -40°F to 250°F (-40°C to 125°C). While the Model AST46PT is offered in pressure ranges up to up to 20,000 PSI (1,400 Bar), the Model AST20PT is available in pressure ranges up to 45,000 PSI (3,100 Bar).

Both units can be constructed in a wide range of wetted materials, including high-quality stainless steels and superalloys: 17-4PH SS, 316L SS, Inconel 718, Waspalloy, and Hastelloy C-276. The Model AST46PT is also CSA-approved for use in hazardous areas including Class 1 Div 1 Explosionproof Groups A, B, C and D, and for mining applications, Class 2 Div 1 Groups E, F and G.

American Sensor Technologies (AST)
973-448-1901; www.astsensors.com [1]

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