



Panel Mountable Pressure Transducers

Pressure transducers form a critical function in today's closed loop systems providing data for safety, control and alarm functions encountered in typical industrial applications such as heating boilers, HVAC/R, gas correctors, compressors, test stands, fire suppression equipment and power generation. These sensors measure a wide range of benign and corrosive media, with temperatures ranging from -70 to 300 degrees Fahrenheit.

System integrators and panel builders traditionally relied on sensors mounted to bulkhead fittings as a form of pressure connection for pressure measurements. This meant that in a typical panel, the sensor is mounted inside to a panel mounted bulkhead fitting and sealed by means of Teflon tape or face O-ring. The seal between the sensor and bulkhead fitting is critical and if not formed correctly, it can lead to leaks and eventual failure of the system particularly systems that handle water, steam, corrosive gases and liquids.

AST4200 panel mount pressure sensors were specifically designed to overcome this problem by providing hermetic seal against the media. The solid one piece 17-4PH or 316L high strength stainless steel design is free of welds, internal O-rings or fluid filled cavities, making it ideal for applications that require high proof and burst pressures. The sensor requires minimal mounting configuration and uses a locknut to hold the sensor to the panel. Two wrench flats on the nose of the sensor allow the user to tighten the external pressure tubing to the sensor without turning the part. For wide range of media compatibility AST4200 can be provided in Titanium or Inconel.

AST4200 Panel Mount Pressure Sensors

