

DEVELOPMENT AND TEST SITE PRESSURE TRANSMITTERS

BRAND NAME SPECIFICATIONS

The Engineering and Technology Office requires the purchase of two (2) different types of pressure transmitters, with the first type having 3 different measuring ranges. Quoting the following brand or equal (see specifications) would be acceptable.

1. Rosemount Pressure Transmitter Part Number: 2088A2S22A1M5B4K5Q4 (0-150 psig)
2. Rosemount Pressure Transmitter Part Number: 2088A3S22A1M5B4K5Q4 (0-800 psig)
3. Rosemount Pressure Transmitter Part Number: 2088A4S22A1M5B4K5Q4 (0-4000 psig)
4. Rosemount Pressure Transmitter Part Number: 3051CD2A22A2JKDL4M5Q8Q4 (-250 inH₂O to +250 inH₂O differential pressure measurement; 0-10 psid or -10 to +10 psid also acceptable)

In accordance with FAR 52.211-6 Brand Name or Equal, the salient characteristics are as follows;

The supplier shall provide pressure transmitters, with the given ranges, for the purpose of measuring simulated propellant loading pressures. The transmitters will be located outdoors in an environment that will experience relative humidities up to (and including) 100% and could potentially possess gaseous hydrogen or gaseous methane.

THE TRANSMITTERS SHALL INCORPORATE THE FOLLOWING:

- 316L Stainless Steel construction
- NEMA Class 1, Division 2, Group B & D certification/qualification (explosion proof)
- Oxygen service compatibility
- 1/4" NPT (female) process connection (AS5202-04 [equivalent to MS33649-04] acceptable)
- Includes local pressure measurement readout (not applicable to differential pressure transmitter)
- 4-20 mA output with HART protocol capability
- Better than 0.1% accuracy
- Bottom or rear process connection (with respect to transmitter readout/display)