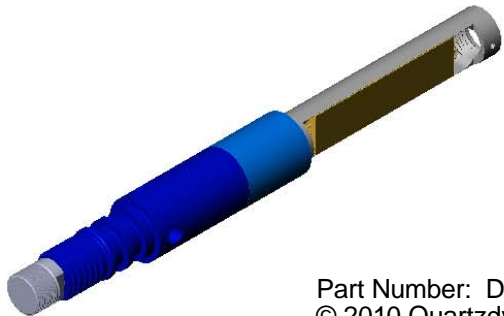
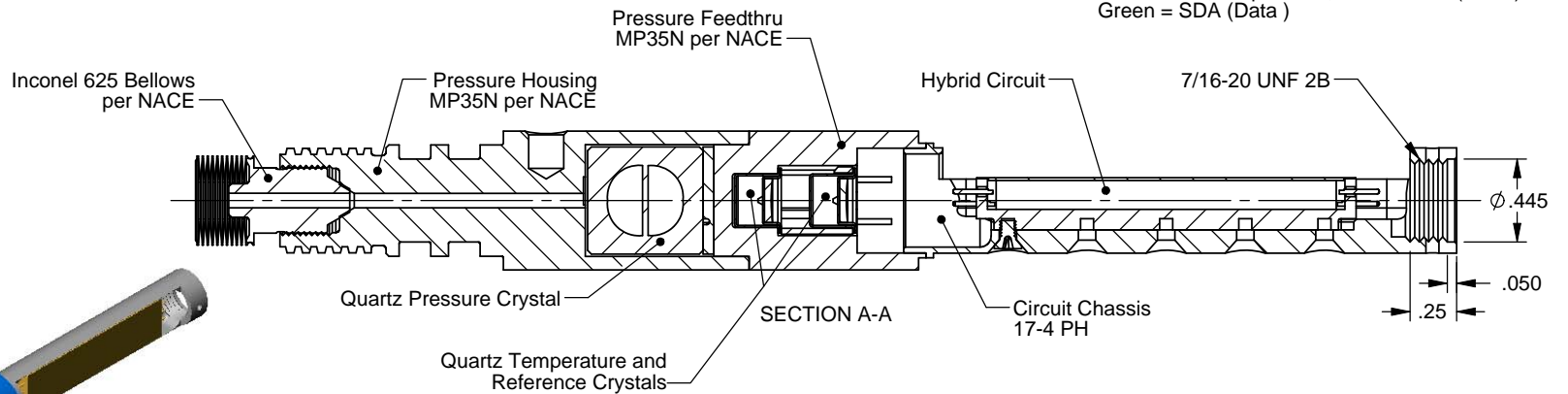


Flying lead from Hybrid Circuit
 Length: 18" [450 mm]
 Wire Size: 28 AWG, TFE ET ($\phi .027"$ [$\phi .69$ mm])
 Blue = Vcc; Black = Ground; White = Reference
 Yellow = A1; Purple = A2; Slate = SCL (Clock)
 Green = SDA (Data)

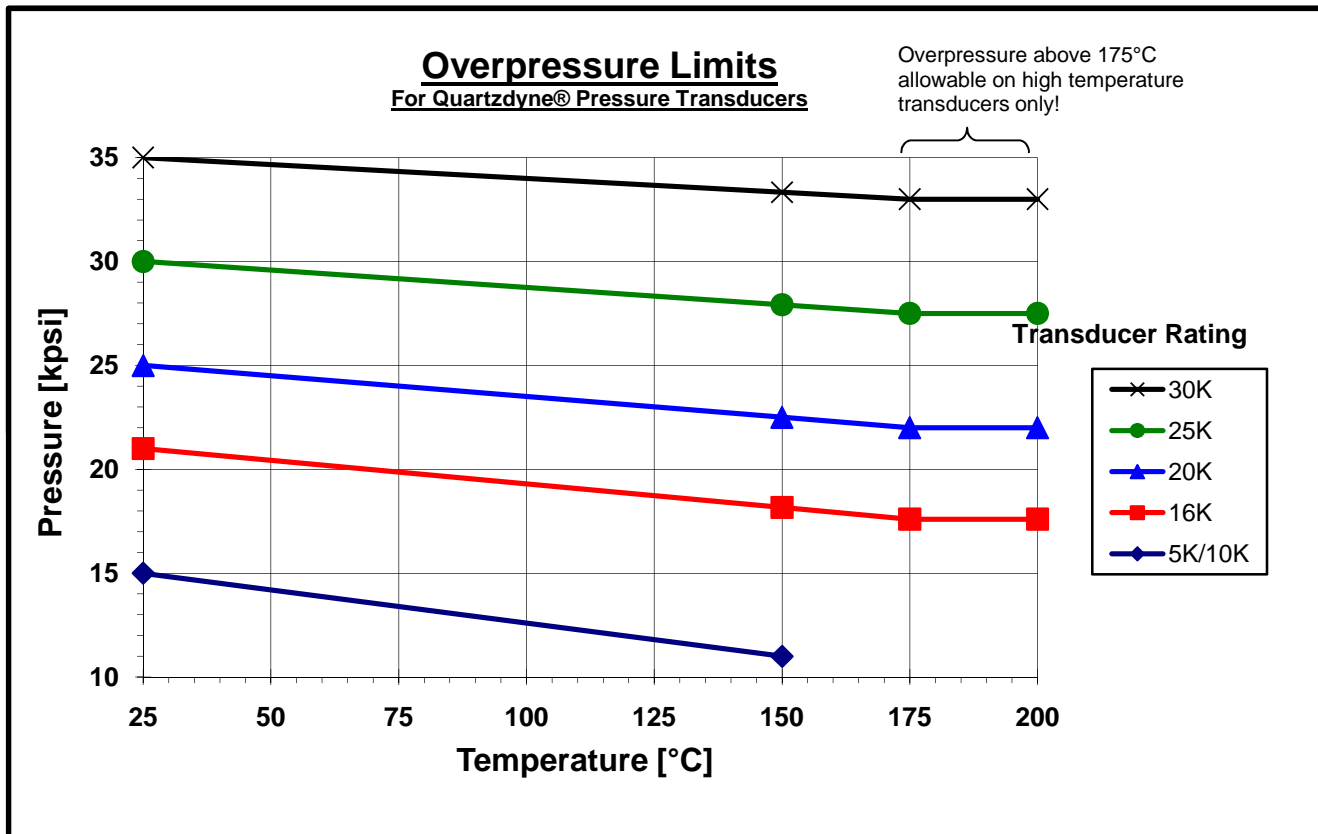


Part Number: DXB012-xx-yyy
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Mechanical Specifications

Proof Pressure35,000 psi [2415 bar]
 Overpressure without Sensor Damage.....varies with temperature; see plot below
 Pressure Mediaparticle-free fluid compatible with Inconel 625 and MP35N
 Mechanical Shock..... 500 g, 2 ms half-sine
 Vibration.....survives random vibration per NAVMAT P-9492 3.2.1
 Weight..... 11.5 oz [326 g]



Technical Notes for ¾-inch Transducers

This transducer has been specifically designed to allow you to construct a Ø.75 inch [19mm] or larger diameter tool. When designing this transducer into your tool, please consider the following items:

1. If you plan to thread a stud into the end of the circuit carrier (7/16-20 UNEF-2B thread), allow for a 0.125 inch [3.2mm] minimum clearance hole for the output wires. The edges of this hole should be generously rounded to prevent insulation damage, and we recommend insulating the bundle in a piece of tubing (i.e., FEP Teflon heat shrink.)
2. Once you have designed the attachment of your electronics carrier to our circuit carrier, we recommend that the ID of the thick-walled tube covering our carrier be 0.584 ± 0.015 inches. This improves the thermal response of the transducer; more importantly, this is the way the transducer was calibrated at Quartzdyne, so the calibration will still be valid. For tools which will see full-scale pressure on the electronics enclosure, your custom electronics housing must be e-beam welded to our pressure feedthru.