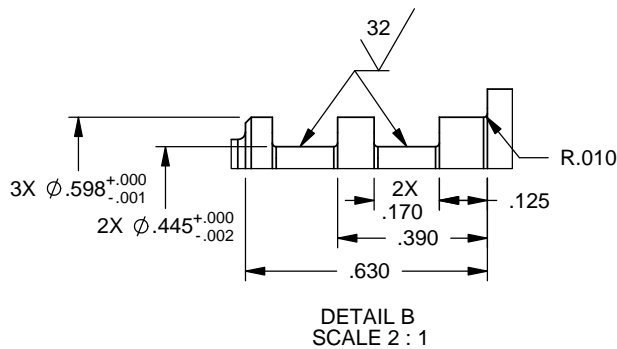
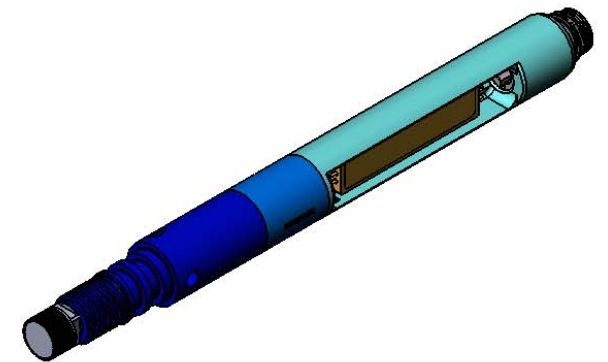


Connector Pinout		
Label	Color	Description
V	BLUE	SUPPLY, 2.7-5.5 VDC
G	BLACK	GROUND
SCL	SLATE	CLOCK
SDA	GREEN	DATA
A1	YELLOW	ADDRESS 1
A2	PURPLE	ADDRESS 2
R	WHITE	REF. FREQ.

If the connector is removed, the five output wires are approx. 10" in length. 26-28 AWG, TFE Insulation.



O-RING: Parker #2-111
 BACKUP O-RING: QD P/N D21612-01



Part Number: DXB015-xx-yyy
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May 7, 2012



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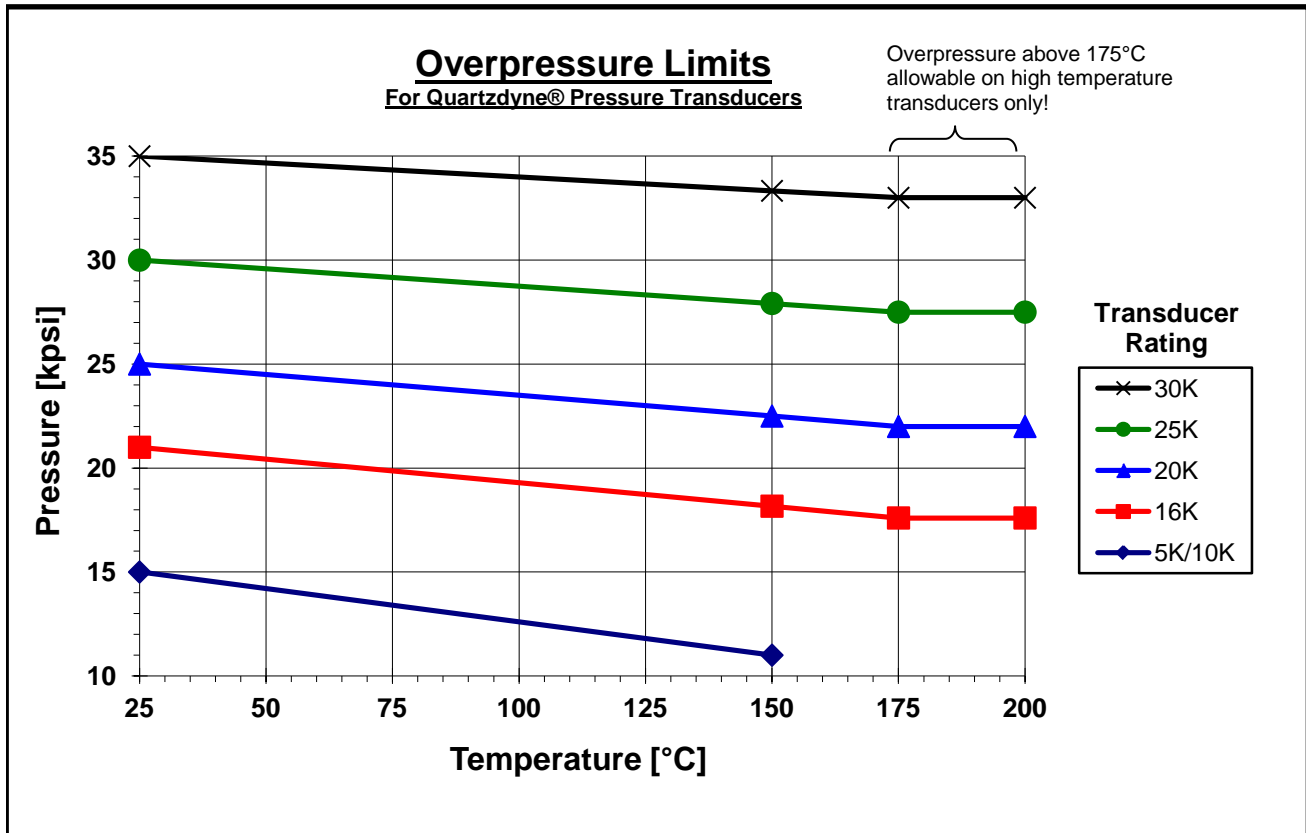
Mechanical Specifications

E20-022

A0

Mechanical Specifications for 3/4" (0.75) Transducers

Mechanical Proof Pressure	35,000 psi [2415 bar]
Sensor Pressure Limit	varies with temperature; see plot below
Pressure Media	particle-free fluid compatible with Inconel 625 and MP35N
Mechanical Shock	500 g, 2 ms half-sine
Vibration	10 – 2,000 Hz, 10.9 gRMS Random Vibration
Weight	11.5 oz [326 g]



Technical Notes for 3/4" 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.