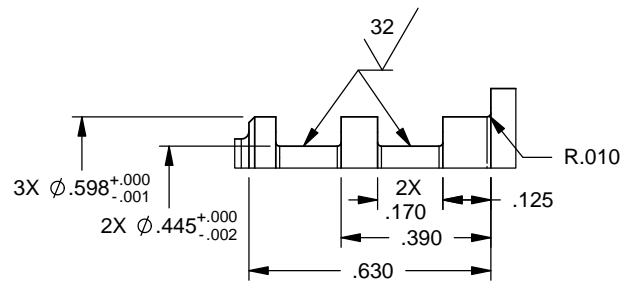


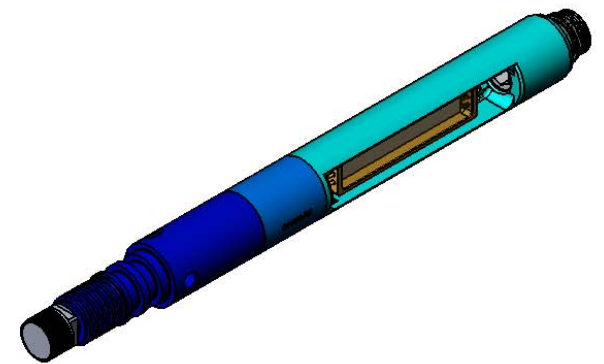
Connector Pinout  
 V = Supply 2.7-5.5V DC (Blue)  
 G = Ground (Black)  
 P = Pressure Signal (Purple)  
 T = Temperature Signal (Yellow)  
 R = Reference Signal (White)  
 NC = None  
 NC = None

SECTION E-E  
 SCALE 2 : 1

If the connector is removed, the five output wires are approximately 4 inches [250mm] long, 26-28 AWG, TFE.



DETAIL B  
 SCALE 2 : 1



Part Number: SPB115-xx-yyy  
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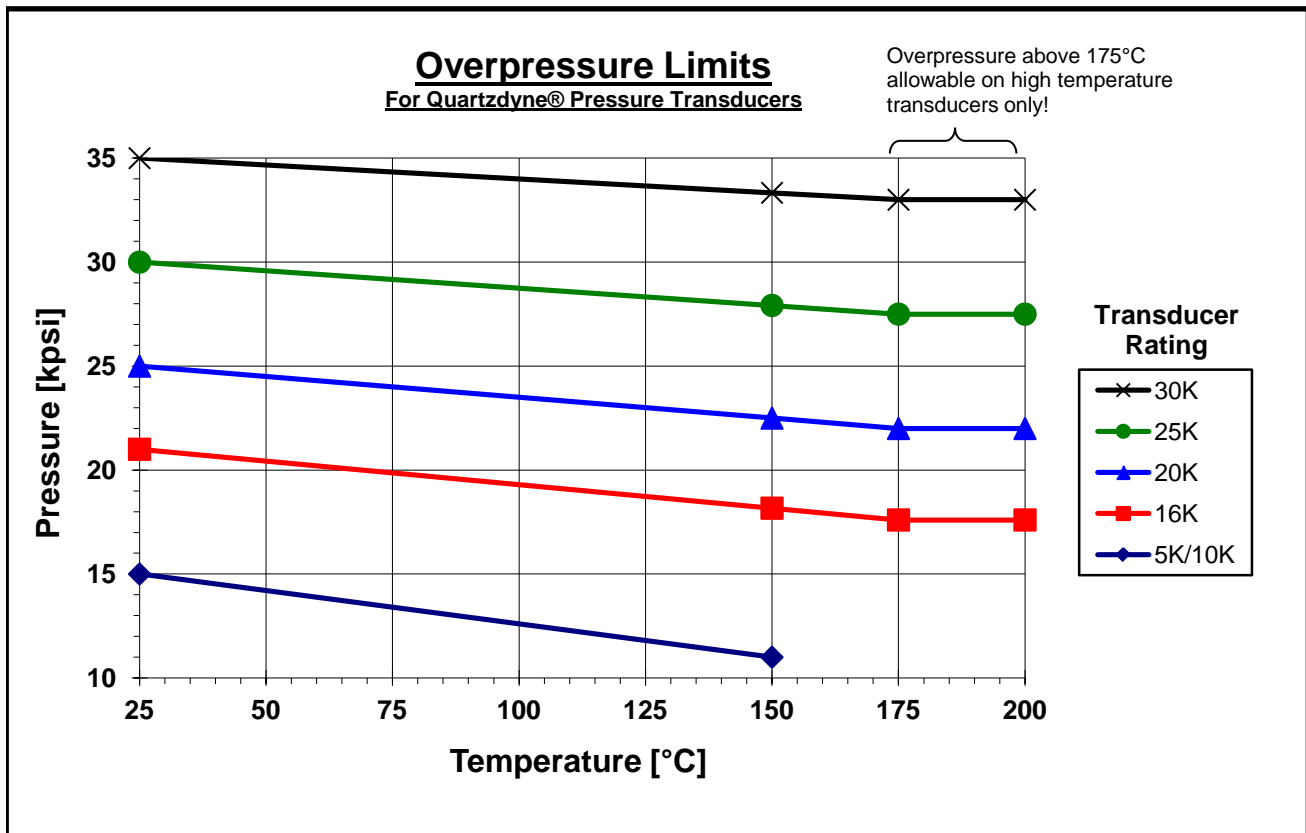
**Mechanical  
Specifications**

**E20-021**

**A0**

**Mechanical Specifications for Tubless 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" Tubeless Transducers**

This transducer has been designed for tools larger than Ø.75 inch [19mm] with maximum ruggedness in mind. Unlike other transducers manufactured by Quartzdyne, there is no circuit tube to protect the circuit: it is open and accessible. Please take necessary precautions to protect it. When designing this transducer into your tool, please consider the following items:

1. The output connector may be removed by gripping it and the bushing firmly with pliers and unscrewing it. Follow proper ESD precautions.
2. If you plan to thread a stud into the end of the circuit carrier (7/16-20 or 5/8-24 threads), 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.)