

THE LEADER IN
DOWNHOLE PRESSURE

DMB002-XX-YYY

7/8INCH OD TRANSDUCER, ASIC HYBRID

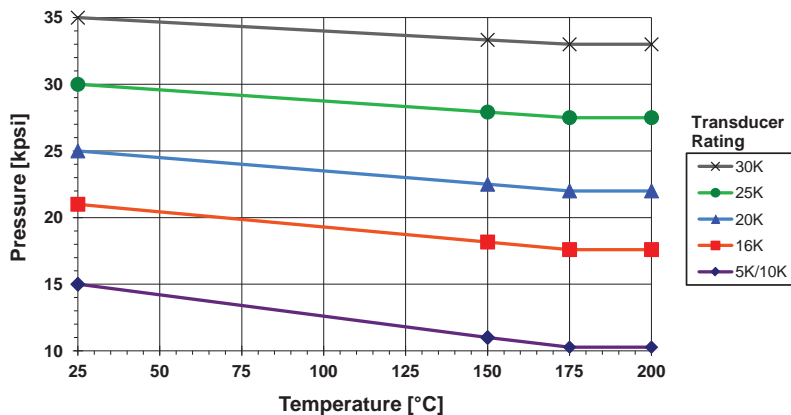
FEATURES AND BENEFITS

- » Pressure range: 0 to 35,000 psia [0 to 2415 bar]
- » Operating temperature range: -40° to 225°C
- » Drift at max temperature and max pressure: 0.02% FS / year
- » NIST traceable calibration
- » External pressurization capable
- » Fast transient response

MECHANICAL SPECIFICATIONS

Proof Pressure	35,000 psi (2415 bar)
Overpressure without sensor damage	Varies with temperature; see plot below
Fluid Filled	Non-toxic Paratherm NF or Sebecate heat transfer fluid Depending on temperature.
Mechanical Shock / Vibration	See Quartzdyne document E20-032
Weight	11.5 oz. [326g]

Overpressure Limits
For Quartzdyne® Pressure Transducers



ELECTRICAL CONNECTION

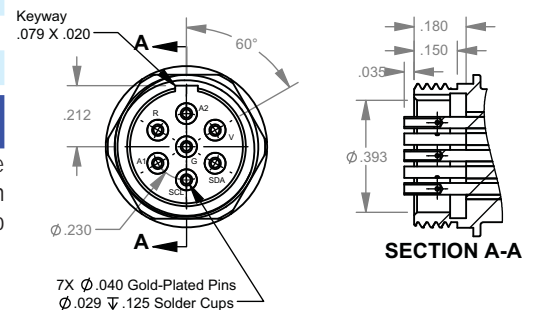
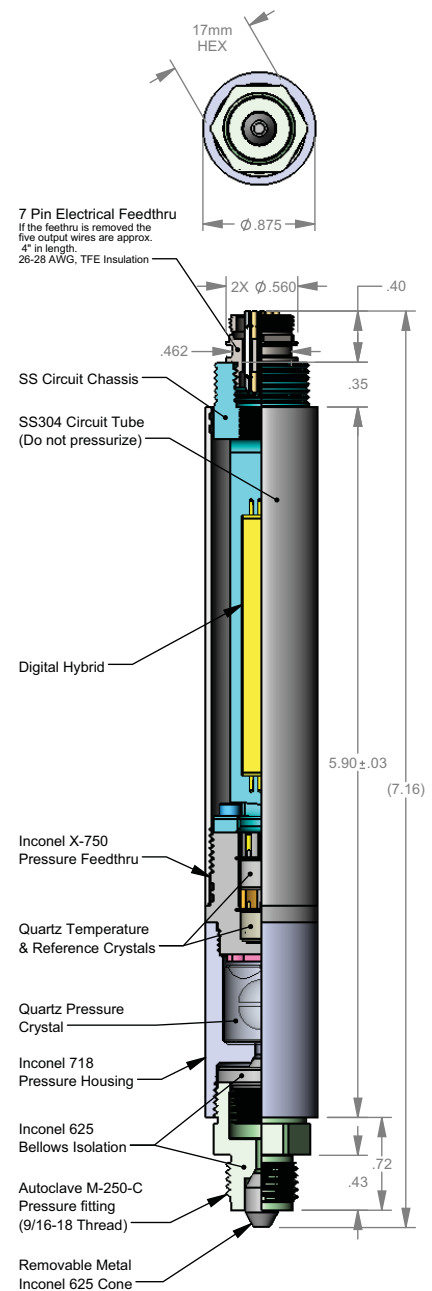
OUTPUT: Digital I²C

WIRE: 28 AWG, TFE ET (Ø0.027" [Ø0.69mm]) 4 inch [450mm] flying leads

COLOR	DESCRIPTION	COLOR	DESCRIPTION
BLACK	Ground (G)	SLATE	SCL (Clock)
BLUE	VCC (5.5V DC max)(V)	YELLOW	A1
GREEN	SDA (Data)	WHITE	Reference Signal (R)
PURPLE	A2		

TOOL DESIGN CONSIDERATIONS

1. If attaching a secondary carrier to the end of the transducer, allow for a 0.125 inch minimum clearance hole for the output wires. The edges of this hole should be generously rounded to prevent insulation damage. Adding a piece of tubing (i.e., FEP Teflon heat shrink) to prevent wire damage is also recommended.



PART NUMBER CODING

OPTIONS TEMPERATURE
A A A B B B - X X - Y Y Y
FAMILY PRESSURE