Model 181KT Miniature Depth Sensor

PERFORMANCE:
- Pressure Range: 0 to 1000 psia
- Accuracy: 0.02% of Full Scale

FEATURES:
- Small Size
- 0 to 700 meters Depth
- Fully Calibrated and Characterized
- Pressure and Temperature Frequency Outputs
- ISO 9001 Quality System Certified

APPLICATION AREAS:
- Underwater Towed Arrays

Paroscientific Digiquartz® Depth Sensors offer accurate depth measurements to 7000 m and have been successfully deployed for various demanding underwater applications. High Resolution Pressure Measurements to the sub-millimeter level are easily achieved. Model 181KT has been successfully deployed for underwater towed array applications.

PERFORMANCE

Range -	0 to 1000 psia
Threshold -	0.001 psi max
Repeatability-	0.01% of Full Scale
Acceleration Sensitivity -	0.008% Full Scale/g
Temperature Effects -	Characterized

CHARACTERISTICS

Nominal Pressure Sensor Output Frequency ..... 30 to 42 KHz
Nominal Temperature Sensor Output Frequency ... 172±10 KHz
Size ..... 0.6 DIA x 4 inches
Weight (Transducer Only) ..... 0.25 lbs (0.11 Kg)
Power Requirements ..... 9 Volts, 0.002 Amp

ENVIRONMENTAL

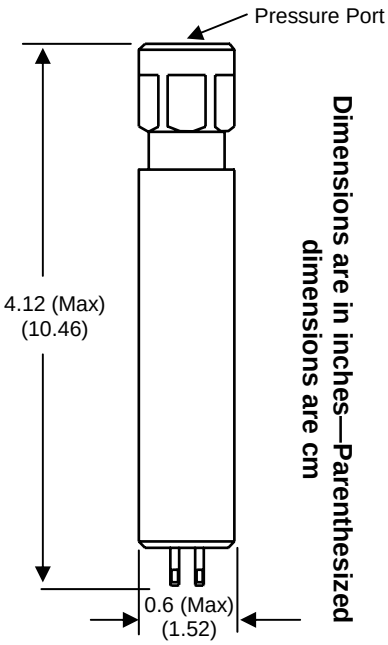
Max Survival Pressure ..... 2500 psia
Temperature Range ..... -2 deg C to +45 deg C
Pressure Media is in contact with stainless steel and inconel

ORDERING INFORMATION

MODEL NO.	PART NO.
181KT	1151-010-0

ACCESSORIES

Intelligent Interface Board
Model 715 Display
Power Adapter Kit
Setup and Configuration Software (Included)



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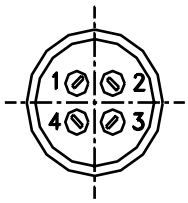

Connector Pin out

Pin No	Function
1	Pressure Signal
2	Temperature Signal
3	Ground
4	Power

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