

Model Number 112M362	ICP® PRESSURE SENSOR	Revision: B ECN #: 45139
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	ENGLISH	SI	
Performance			
Measurement Range(for ±5V output)	50 psi	345 kPa	
Useful Overrange(for ± 10V output)	100 psi	690 kPa	[1]
Sensitivity(± 15 %)	100 mV/psi	14.5 mV/kPa	
Maximum Pressure	500 psi	3450 kPa	
Resolution	0.001 psi	0.007 kPa	
Resonant Frequency	≥ 230 kHz	≥ 230 kHz	
Rise Time	≤ 2.2 μ sec	≤ 2.2 μ sec	
Low Frequency Response(-5 %)	0.50 Hz	0.50 Hz	
Non-Linearity	≤ 1.5 % FS	≤ 1.5 % FS	[2]
Environmental			
Acceleration Sensitivity	≤ 0.003 psi/g	≤ 0.0021 kPa/(m/s ²)	
Temperature Range(Operating)	-100 to +275 °F	-73 to +135 °C	
Temperature Coefficient of Sensitivity	≤ 0.06 %/°F	≤ 0.108 %/°C	
Maximum Flash Temperature	3000 °F	1650 °C	
Maximum Shock	20,000 g pk	196,000 m/s ² pk	
Electrical			
Discharge Time Constant(at room temp)	≥ 1.0 sec	≥ 1.0 sec	
Excitation Voltage	22 to 30 VDC	22 to 30 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	
Output Impedance	<200 Ohm	<200 Ohm	
Output Bias Voltage	8 to 14 VDC	8 to 14 VDC	
Physical			
Sensing Geometry	Compression	Compression	
Sensing Element	Quartz	Quartz	
Housing Material	17-4 Stainless Steel	17-4 Stainless Steel	
Diaphragm	Invar	Invar	
Sealing	Welded Hermetic	Welded Hermetic	
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	
Weight	0.17 oz	4.9 gm	
Cable Termination	10-32 Coaxial Jack	10-32 Coaxial Jack	
Cable Type	031 Twisted Pair	031 Twisted Pair	
Cable Length	16 in	41 cm	

OPTIONAL VERSIONS

Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.

NOTES:
 [1]For +10 volt output, minimum 24 VDC supply voltage required. Negative 10 volt output may be limited by output bias.
 [2]Zero-based, least-squares, straight line method.

SUPPLIED ACCESSORIES:
 Model 060M49 M7 X .75 CASTLE NUT (1)
 Model 065A22 Isolation Seal, .250" OD x .218" ID x .015", Torlon or Vespel (2)
 Model 070A05 Cable feed-thru connector (micro 10-32 jack to 10-32 jack) (1)

Entered: LK	Engineer: DK	Sales: MFG	Approved: BAM	Spec Number:
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*All specifications are at room temperature unless otherwise specified.
 In the interest of constant product improvement, we reserve the right to change specifications without notice.
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