


Model Number 116B	CHARGE OUTPUT PRESSURE SENSOR				Revision: M ECN #: 45245
Performance	ENGLISH	SI		OPTIONAL VERSIONS	
Sensitivity(± 15 %)	6 pC/psi	0.870 pC/kPa		Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.	
Measurement Range	100 psi	690 kPa			
Maximum Pressure(static)	3000 psi	20,685 kPa			
Resolution	.0003 psi	.0021 kPa	[2]	E - Emralon coating	
Resonant Frequency	≥ 55 kHz	≥ 55 kHz		Temperature Range(Operating) -65 to 250 °F -54 to 121 °C	
Rise Time(Reflected)	≤ 9 μ sec	≤ 9 μ sec		Supplied Accessory : Model 065A47 Seal ring 0.497 OD x 0.437 ID x 0.025 thk Acetal (2)	
Non-Linearity	≤ 1 % FS	≤ 1 % FS	[3]	P - Positive Output Polarity	
Environmental				NOTES:	
Acceleration Sensitivity	≤ .002 psi/g	≤ .0014 kPa/(m/s²)		[1]Typical.	
Temperature Range(Operating)	-400 to 650 °F	-240 to 345 °C		[2]Resolution dependent on range setting and cable length used in charge system.	
Temperature Coefficient of Sensitivity	≤ .04 %/°F	≤ .072 %/°C		[3]Zero-based, least-squares, straight line method.	
Maximum Flash Temperature	3000 °F	1649 °C			
Maximum Shock	2000 g pk	19,620 m/s² pk			
Electrical				SUPPLIED ACCESSORIES:	
Capacitance	30 pF	30 pF	[1]	Model 060A12 Clamp nut, 9/16-18-2A thd, 9/16" hex	
Insulation Resistance(at 650°F[345°C])	>10 ⁹ Ohm	>10 ⁹ Ohm		Model 060A14 Metric clamp nut, M14 x 1.25-6g thd, 14 mm hex, stainless steel (1)	
Insulation Resistance(at room temp)	>10 ¹¹ Ohm	>10 ¹¹ Ohm		Model 065A37 Seal ring 0.497 OD x 0.437 ID x 0.025 thk Brass	
Physical				Model PCS-17 Frequency response of 106B series from 20Hz to 50KHz	
Sensing Element	Quartz	Quartz		Model PCS-3 Calibration of high-temperature Models 112A04 and 112A05, Series 112B and Series 116B	
Housing Material	316L Stainless Steel	316L Stainless Steel			
Diaphragm	316L Stainless Steel	316L Stainless Steel			
Sealing	Welded Hermetic	Welded Hermetic			
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack			
Weight	.717 oz	20.3 gm			
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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Entered: LK		Engineer: RB		Sales: MFG	Approved: BAM
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