Model Number	CHARGE OUTPUT PRESSURE SENSOR	Revision: M
116B		ECN #: 45245

Performance	ENGLISH	SI	
Sensitivity(± 15 %)	6 pC/psi	0.870 pC/kPa	
Measurement Range	100 psi	690 kPa	
Maximum Pressure(static)	3000 psi	20,685 kPa	
Resolution	.0003 psi	.0021 kPa	[2]
Resonant Frequency	≥ 55 kHz	≥ 55 kHz	
Rise Time(Reflected)	≤ 9 µ sec	≤ 9 µ sec	
Non-Linearity	≤ 1 % FS	≤ 1 % FS	[3]
Environmental			
Acceleration Sensitivity	≤ .002 psi/g	≤ .0014 kPa/(m/s²)	
Temperature Range(Operating)	-400 to 650 °F	-240 to 345 °C	
Temperature Coefficient of Sensitivity	≤ .04 %/°F	≤ .072 %/°C	
Maximum Flash Temperature	3000 °F	1649 °C	
Maximum Shock	2000 g pk	19,620 m/s² pk	
Electrical			
Capacitance	30 pF	30 pF	[1]
Insulation Resistance(at 650°F[345°C])	$>10^9$ Ohm	$>10^9$ Ohm	
Insulation Resistance(at room temp)	$>10^{11}$ Ohm	$>10^{11}$ Ohm	
Physical			
Sensing Element	Quartz	Quartz	
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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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.

E - Emralon coating
Temperature Range(Operating) -65 to 250 °F -54 to 121 °C
Supplied Accessory : Model 065A47 Seal ring 0.497 OD x 0.437 ID x 0.025 thk Acetal (2)

P - Positive Output Polarity

NOTES:
[1]Typical.
[2]Resolution dependent on range setting and cable length used in charge system.
[3]Zero-based, least-squares, straight line method.

SUPPLIED ACCESSORIES:
Model 060A12 Clamp nut, 9/16-18-2A thd, 9/16" hex
Model 060A14 Metric clamp nut, M14 x 1.25-6g thd, 14 mm hex, stainless steel (1)
Model 065A37 Seal ring 0.497 OD x 0.437 ID x 0.025 thk Brass
Model PCS-17 Frequency response of 106B series from 20Hz to 50KHz
Model PCS-3 Calibration of high-temperature Models 112A04 and 112A05, Series 112B and Series 116B

Entered: LK	Engineer: RB	Sales: MFG	Approved: BAM	Spec Number:
Date: 4/5/2016	Date: 4/5/2016	Date: 4/5/2016	Date: 4/5/2016	116-2010-80

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