


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)
Rise Time(Reflected)	≤ 9 µ sec	≤ 9 µ sec		-65 to 250 °F -54 to 121 °C
Non-Linearity	≤ 1 % FS	≤ 1 % FS	[3]	Supplied Accessory : Model 065A47 Seal ring 0.497 OD x 0.437 ID x 0.025 thk Acetal (2)
Environmental				P - Positive Output Polarity
Acceleration Sensitivity	≤ .002 psi/g	≤ .0014 kPa/(m/s ²)		
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/s ² pk		
Electrical				NOTES:
Capacitance	30 pF	30 pF	[1]	[1]Typical.
Insulation Resistance(at 650°F[345°C])	>10 ⁹ Ohm	>10 ⁹ Ohm		[2]Resolution dependent on range setting and cable length used in charge system.
Insulation Resistance(at room temp)	>10 ¹¹ Ohm	>10 ¹¹ Ohm		[3]Zero-based, least-squares, straight line method.
Physical				SUPPLIED ACCESSORIES:
Sensing Element	Quartz	Quartz		Model 060A12 Clamp nut, 9/16-18-2A thd, 9/16" hex
Housing Material	316L Stainless Steel	316L Stainless Steel		Model 060A14 Metric clamp nut, M14 x 1.25-6g thd, 14 mm hex, stainless steel (1)
Diaphragm	316L Stainless Steel	316L Stainless Steel		Model 065A37 Seal ring 0.497 OD x 0.437 ID x 0.025 thk Brass
Sealing	Welded Hermetic	Welded Hermetic		Model PCS-17 Frequency response of 106B series from 20Hz to 50KHz
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack		Model PCS-3 Calibration of high-temperature Models 112A04 and 112A05, Series 112B and Series 116B
Weight	.717 oz	20.3 gm		
<i>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. ICP® is a registered trademark of PCB Group, Inc.</i>				
Entered: LK		Engineer: RB	Sales: MFG	Approved: BAM
Date: 4/5/2016		Date: 4/5/2016	Date: 4/5/2016	Date: 4/5/2016
			Spec Number: 116-2010-80	
 PCB PIEZOTRONICS™				Phone: 716-684-0001
				Fax: 716-684-0987
				E-Mail: info@pcb.com
				3425 Walden Avenue, Depew, NY 14043



Represented in India by

Structural Solutions Pvt Ltd. | Phone: 040 2322 2380 | Email: sales@stsols.com

#4th Floor, Sudheer Tapani Towers, Himayath Nagar, Hyderabad - 500 029