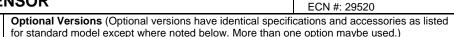
Model Number 106B50			ICP® PRESSUR	RE SE	NSOR
Performance		ENGLISH	SI		Optional
Measurement Ra	ange (for ±2.5V output)	5 psi	34.45 kPa		for standa
Sensitivity (±15	%)	500 mV/psi	72.5 mV/kPa		E - Emra
Maximum Pressu	ıre (step)	100 psi	690 kPa		Coating
Maximum Pressu	re (static)	500 psi	3448 kPa		Electric
Resolution		0.07 mpsi	0.00048 kPa		W - Wat
Resonant Freque	ency	≥40 kHz	≥40 kHz		Supplie
Rise Time		≤12 µ sec	≤12 µ sec		Model
Low Frequency F	Response (-5 %)	0.5 Hz	0.5 Hz		WM - W
Non-Linearity		≤1 % FS	≤1 % FS	[1]	Supplie
Environmental					hex (fo
Acceleration Sen		≤0.002 psi/g	≤0.0014 kPa/(m/s²)		Notes
Temperature Rar	nge (Operating)	-65 to +250 °F	-54 to +121 °C		[1] .
Temperature Coe	efficient of Sensitivity	≤0.03 %/°F	≤0.054 %/°C		[2]
Maximum Flash 7	Temperature	3000 °F	1649 °C		[3]
Maximum Vibrati		500 g pk	4903 m/s² pk		
Maximum Shock		1000 g pk	9807 m/s² pk		C
Electrical					Supplie 060A11
	(Positive Pressure)	Positive	Positive		060A11
	Constant (at room temp)	≥1 sec	≥1 sec		065A36
Excitation Voltage		11 to 30 VDC	11 to 30 VDC		003A30
Constant Current		2 to 20 mA	2 to 20 mA		
Output Impedance		≤100 Ohm	≤100 Ohm		
Output Bias Volta	age	3 to 8 VDC	3 to 8 VDC		
Physical			_		
Sensing Element		Quartz	Quartz		
Housing Material		17-4 Stainless	17-4 Stainless Steel		
Diaphragm		Steel 316L Stainless Steel	316L Stainless Steel		
Sealing		Welded Hermetic	Welded Hermetic		
Electrical Connector		10-32 Coaxial Jack	10-32 Coaxial Jack		
Weight		1.13 oz	32 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.

ICP® is a registered trademark of PCB group, Inc.



E - Emralon coating

Coating Emralon Emralon Electrical Isolation 10⁸ Ohm 10⁸ Ohm W - Water Resistant Cable

[3] Supplied Accessory: Model 060A11 Delrin clamp nut, 3/4-16-2A thd, 3/4" hex (for

Model 106B50)

WM - Water Resistant Cable

Revision M

Supplied Accessory: Model 060A13 Metric Delrin clamp nut, M20 x 1.5-6G thd, 20 mm hex (for Model M106B50)

Notes

- [1] Zero-based, least-squares, straight line method.
- [2] See PCB Declaration of Conformance PS023 for details.
- [3] Clamp nut installed prior to cable attachment

Supplied Accessories

060A11 Delrin clamp nut 3/4-16-2A thd 3/4" hex () 060A13 Metric Delrin clamp nut M20 x 1.5-6g thd 20 mm hex (1) 065A36 Seal, .687" OD x .625" ID x .060", Derlin (3)

Entered: BLS	Engineer: NJL	Sales: RWM	Approved: RPF	Spec Number:
Date:	Date:	Date:	Date:	106-2500-80
10/17/2008	10/02/2008	10/03/2008	10/02/2008	



3425 Walden Avenue Depew. NY 14043 UNITED STATES Phone: 800-828-8840 Fax: 716-684-0987 E-mail: info@pcb.com Web site: www.pcb.com