



Model Number 482C26	SENSOR SIGNAL CONDITIONER		Revision: D ECN #: 39050										
Performance	ENGLISH	SI	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.										
Channels	4	4											
Sensor Input Type(s)	ICP®, Voltage	ICP®, Voltage	NOTES: [1] User adjustable, factory set at 4 mA (± 1.0 mA). One control adjusts all channels. [2] Typical. [3] See PCB Declaration of Conformance PS024 for details.										
Accuracy(Gain, x0.1 to x0.4)	± 5 %	± 5 %											
(Gain, x0.5 to x200)	± 1 %	± 1 %											
Output Range	± 10 V	± 10 V											
Frequency Range(-5 %)(x0.1 to x99.9 Gain)	0.05 to 100,000 Hz	0.05 to 100,000 Hz											
(-5 %)(x100 to x200 Gain)	0.05 to 50,000 Hz	0.05 to 50,000 Hz											
Phase Response(at 1 kHz)	± 1 °	± 1 °											
Cross Talk(maximum)	-72 dB	-72 dB											
TEDS Sensor Support	Yes	Yes											
Fault/Bias Monitor/Meter(LED)	Open/Short/Overload	Open/Short/Overload											
Control Interface													
Human Interface	Keypad	Keypad											
Display	2 rows, 16 columns	2 rows, 16 columns											
Digital Control Interface	RS-232	RS-232											
Digital Control: Data Rate	19,200 bps	19,200 bps											
Digital Control: Start, Data, Stop, Parity	1, 8, 1, No	1, 8, 1, No											
Digital Control: Handshaking	RTS/CTS	RTS/CTS											
Digital Control: Cable Length(Maximum)	50 ft	15.2 m											
Environmental													
Temperature Range(Operating)	+32 to +120 °F	0 to +50 °C											
Electrical													
Power Required(for supplied AC power adaptor)	AC Power	AC Power											
(direct input to unit)	DC power	DC power											
AC Power(50 to 60 Hz)	100 to 240 VAC	100 to 240 VAC											
Excitation Voltage(To Sensor)	1.6 amps	1.6 amps											
DC Offset	+24 VDC	+24 VDC											
DC Power	≤ 50 mV	≤ 50 mV											
Constant Current Excitation(To Sensor)	+9 to +18 VDC	+9 to +18 VDC											
Output Impedance	≤ 2.5 amps	≤ 2.5 amps											
Overload Threshold(± 0.2 Vpk)	0 to 20 mA	0 to 20 mA											
Broadband Electrical Noise(1 to 10,000 Hz)(Gain x1)	≤ 50 Ohm	≤ 50 Ohm	[1]										
Spectral Noise(1 Hz)(Gain x1)	+10 Vpk	+10 Vpk	[2]										
(10 Hz)(Gain x1)	50.0 µV rms	50.0 µV rms	[2]										
(100 Hz)(Gain x1)	8.0 µV/√Hz	8.0 µV/√Hz	[2]										
(1 kHz)(Gain x1)	1.5 µV/√Hz	1.5 µV/√Hz	[2]										
(10 kHz)(Gain x1)	1.0 µV/√Hz	1.0 µV/√Hz	[2]										
Broadband Electrical Noise(1 to 10,000 Hz)(Gain x10)	1.0 µV/√Hz	1.0 µV/√Hz	[2]										
Spectral Noise(1 Hz)(Gain x10)	75.0 µV rms	75.0 µV rms	[2]										
(10 Hz)(Gain x10)	20.0 µV/√Hz	20.0 µV/√Hz	[2]										
(100 Hz)(Gain x10)	1.5 µV/√Hz	1.5 µV/√Hz	[2]										
(1 kHz)(Gain x10)	1.0 µV/√Hz	1.0 µV/√Hz	[2]										
(10 kHz)(Gain x10)	1.0 µV/√Hz	1.0 µV/√Hz	[2]										
Broadband Electrical Noise(1 to 10,000 Hz)(Gain x100)	1.0 µV/√Hz	1.0 µV/√Hz	[2]										
Spectral Noise(1 Hz)(Gain x100)	350 µV rms	350 µV rms	[2]										
(10 Hz)(Gain x100)	100.0 µV/√Hz	100.0 µV/√Hz	[2]										
(100 Hz)(Gain x100)	10.0 µV/√Hz	10.0 µV/√Hz	[2]										
(1 kHz)(Gain x100)	8.0 µV/√Hz	8.0 µV/√Hz	[2]										
(10 kHz)(Gain x100)	6.0 µV/√Hz	6.0 µV/√Hz	[2]										
Physical			SUPPLIED ACCESSORIES: Model 017AXX Power Cord (1) Model 100-7103-50 (02711) Multi-conductor cable, 6-ft, 9-pin female to 9-pin male. (1) Model 488B14/NC POWER CONVERTOR (1) Model EE75 PCB MCSC Control Software. (1)										
Electrical Connector(ICP® Sensor Input)	BNC Jack	BNC Jack											
(Output)	BNC Jack	BNC Jack											
(DC Power Input)	6-socket mini DIN (female)	6-socket mini DIN (female)											
(RS-232 Digital Control)	DB-9 Connector	DB-9 Connector											
Size (Height x Width x Depth)	3.2 in x 8.0 in x 5.9 in	8.1 cm x 20 cm x 15 cm											
Weight	2.00 lb	908 gm											
<table border="1"> <tr> <td>Entered: <i>Set</i></td> <td>Engineer: <i>KZ</i></td> <td>Sales: <i>JAM</i></td> <td>Approved: <i>BM</i></td> <td>Spec Number:</td> </tr> <tr> <td>Date: <i>4-23-12</i></td> <td>Date: <i>4-11-12</i></td> <td>Date: <i>4-13-12</i></td> <td>Date: <i>4-17-12</i></td> <td>36596</td> </tr> </table>				Entered: <i>Set</i>	Engineer: <i>KZ</i>	Sales: <i>JAM</i>	Approved: <i>BM</i>	Spec Number:	Date: <i>4-23-12</i>	Date: <i>4-11-12</i>	Date: <i>4-13-12</i>	Date: <i>4-17-12</i>	36596
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<div style="display: flex; justify-content: space-between; align-items: center;">  [3] <div style="text-align: center;">  PCB PIEZOTRONICS 3425 Walden Avenue, Depew, NY 14043 </div> <div style="text-align: right;"> Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com </div> </div> <p style="font-size: small; margin-top: 5px;">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.</p>													