

Model Number
484B06

LINE POWERED ICP® SENSOR SIGNAL CONDITIONER

Revision: E
ECN #: 23604

ELECTRICAL

Supply Voltage Regulated		VDC	+24 ±1.0	
ICP ⁰ Sensor Excitation Current (Constant Current Source)		mA	2-20	[1]
Time Constant		sec	10 (-0, +50%)	
Transducer Bias Voltage Accommodation Range: 11V nominal 6V nominal		VDC	7.5 to 14.5	
		VDC	3.0 to 8.0	
Low Frequency Response (-5%) AC, DC		Hz	0.05, 0	
High Frequency Response (±5V, -5%)		kHz	50	[4]
DC Offset		mV	<30	[3]
Noise Broadband, RMS (1 Hz-10 kHz)		µV [dB]	85 [-81,0]	
Typical Spectral Noise:	at 1 Hz	µV/√Hz [dB]	7.0 [-103]	
	at 10 Hz	µV/√Hz [dB]	2.5 [-112]	
	at 100 Hz	µV/√Hz [dB]	1.5 [-116]	
	at 1 kHz	µV/√Hz [dB]	1.0 [-120]	
	at 10 kHz	µV/√Hz [dB]	1.0 [-120]	
Gain			1 ±1%	
Maximum Voltage Output		volts (pk)	±10	
Output Impedance		ohms	<50	
Fault Monitor Meter (1 mA movement)		V/F S	24 ±1.0	
Power (50 to 400 Hz)		V/A	115 ±10%/0.12 (maximum)	[2]

PHYSICAL

Connectors:	Input (transducer)	type	BNC Jack
	Output (scope)	type	BNC Jack
	AC (power) Input	type	IEC 320
Size (H x W x D):		in	4.25 x 1.62 x 6.25
		[mm]	[108 x 41 x 159]
Weight		lb [gm]	2 [907,2]

NOTES:

- [1] Unit supplied with current set at 4 ±0.6 mA.
- [2] Unit set to 230 VAC when ordered as "F484B06."
- [3] In AC mode.
- [4] Serial Number 1261 and greater

SUPPLIED ACCESSORIES:

Model 017 AC Line Cord

In the interest of constant product improvement, we reserve the right to change specifications without notice.

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Drawn	<i>JH</i>	<i>2-6-06</i>	Spec No. 484-2060-80
Engineer	<i>BH</i>	<i>2-7-06</i>	
Sales	<i>woc</i>	<i>2/7/06</i>	Sheet 1 of 1
Approved	<i>MD</i>	<i>2/13/06</i>	