







## SPECIFICATIONS

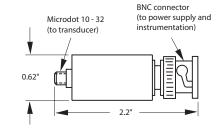
Sensitivity, ±5%		4 mV/pC	
Frequency response <sup>1</sup> :	±1 dB	2.0 - 10,000 Hz	
-	–3 dB	1.0 <b>-</b> 20,000 Hz	
Nonlinearity		<1%	
Harmonic distortion		<1%	
INPUT CHARACTERISTICS			
Allowable source capacitance, max²		500 pF	
OUTPUT CHARACTERISTICS			
Output voltage, max		5 V rms	
Electrical noise, nominal:		•	
Source capacitance (transc		1,000 pF	
	o 25 kHz	100 μV	
Spectral	10 Hz 100 Hz	1.41 μV/√Hz 0.71 μV/√Hz	
	1,000 Hz	0.71 μV/√Hz 0.63 μV/√Hz	
1	1,000 Hz	0.51 μV/√Hz	
Output impedance (depending capacitance)	on source	25 - 150 Ω	
Bias output voltage		12 ±2 VDC	
POWER REQUIREMENTS		<u> </u>	
Voltage source		18 - 30 VDC	
Constant current <sup>3</sup>		2 - 10 mA	
ENVIRONMENTAL			
Temperature range		–40° to +100°C	
PHYSICAL			
Weight		40 grams	
Case material		stainless steel	
Connectors: Signal input Signal output		Microdot 10-32 BNC	

Notes: <sup>1</sup> Measured with 500 pF input capacitance.

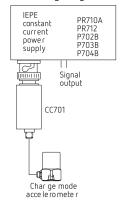
- <sup>2</sup> For -3 dB point greater than 10 kHz/
- <sup>3</sup> To minimize the possibility of signal distortion when driving long cables with high vibration signals, 24 to 30 VDC powering is recommended. The higher level constant current source should be used when driving long cables.

## **Key features**

- Designed for use with high temperature, charge mode accelerometers
- Immune to cable motion noise
- Manufactured in ISO 9001 facility



## Powering diagram



Note: Due to continuous process improvement, specifications are subject to change without notice. This document is cleared for public release.

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The information provided herein is to the best of our knowledge true and accurate, it is provided for guidance only. All specifications are subject to change without prior notification.

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