

	ENGLISH	SI	
<b>Performance</b>			
Sensitivity(± 5 %)(Voltage Output)	10 mV/pC	10 mV/pC	[1][2]
Sensitivity(± 5 %)(Current Output)	10 µA/pC	10 µA/pC	[1][2]
Input Range	± 500 pC	± 500 pC	
Low Frequency Response(- 3 dB)	10 Hz	10 Hz	[3][4]
High Frequency Response(- 1 dB)	1 kHz	1 kHz	[5][6][4]
Non-Linearity	≤ 1.0 % FS	≤ 1.0 % FS	
<b>Environmental</b>			
Temperature Range(Operating)	-22 to +185 °F	-30 to +85 °C	
Temperature Response(Sensitivity Deviation)	< 2.5 %	< 2.5 %	
<b>Electrical</b>			
Excitation Voltage	22 to 28 VDC	22 to 28 VDC	
Output Bias Voltage	7.3 to 7.7 VDC	7.3 to 7.7 VDC	
Output Voltage	± 5 Vpk	± 5 Vpk	
Output Bias Current	11 to 13 mA	11 to 13 mA	
Output Current	± 5 mApK	± 5 mApK	
Output Impedance	< 770 Ohm	< 770 Ohm	
Broadband Electrical Noise(1 to 10,000 Hz)	478 µV	-66 dB	[7][8]
Spectral Noise(1 Hz)	19 µV/√Hz	-94 dB	[7][8]
Spectral Noise(10 Hz)	26 µV/√Hz	-92 dB	[7][8]
Spectral Noise(100 Hz)	7 µV/√Hz	-103 dB	[7][8]
Spectral Noise(1 kHz)	6 µV/√Hz	-104 dB	[7][8]
Spectral Noise(10 kHz)	4 µV/√Hz	-108 dB	[7][8]
Resistance(Minimum required at input)	100,000 Ohm	100,000 Ohm	
Source Capacitance Loading	0.0009 %/pF	0.0009 %/pF	
<b>Physical</b>			
Housing Material	Aluminum	Aluminum	
Weight	6.5 oz	184 gm	

**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.

**NOTES:**

[1]Output can be set to either current or voltage output depending on the wiring configuration. See manual for wiring configuration.

[2]Set to provide a 100 mV/g or 100 µA/g output when using a 10 pC/g accelerometer. If used with an accelerometer with a different sensitivity, the output sensitivity will vary.

[3]The low frequency tolerance is accurate within ±20% of the specified frequency.

[4]Frequency response tested with 1000pF input capacitor.

[5]Above stated frequency, the amplifier becomes slew rate limited.

[6]The high frequency tolerance is accurate within ±20% of the specified frequency.

[7]Tested using voltage source and input capacitor equal to the feedback capacitor, to simulate a charge output sensor.

[8]Typical.

[9]See PCB Declaration of Conformance PS024 for details. A low impedance connection from case to earth ground is required to maintain CE compliance.



Entered: LK	Engineer: AJP	Sales: MC	Approved: NJF	Spec Number:
Date: 11/05/2019	Date: 11/05/2019	Date: 11/05/2019	Date: 11/05/2019	71009

**Phone: 716-684-0001**  
**Fax: 716-684-0987**  
**E-Mail: info@pcb.com**

3425 Walden Avenue, Depew, NY 14043

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 Piezotronics, Inc.