

Performance	ENGLISH	SI	
Sensitivity(± 5 %)(Voltage Output)	20.6 mV/pC	20.6 mV/pC	[1][2]
Sensitivity(± 5 %)(Current Output)	20.6 µA/pC	20.6 µA/pC	[1][2]
Input Range	± 242 pC	± 242 pC	
Low Frequency Response(- 3 dB)	10 Hz	10 Hz	[3][4]
High Frequency Response(- 1 dB)	5 kHz	5 kHz	[5][6][4]
Non-Linearity	≤ 1.0 % FS	≤ 1.0 % FS	
Environmental			
Temperature Range(Operating)	-22 to +185 °F	-30 to +85 °C	
Temperature Response(Sensitivity Deviation)	< 2.5 %	< 2.5 %	
Electrical			
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)	1,040 µV	-60 dB	[7][8]
Spectral Noise(1 Hz)	38 µV/√Hz	-88 dB	[7][8]
Spectral Noise(10 Hz)	54 µV/√Hz	-85 dB	[7][8]
Spectral Noise(100 Hz)	13 µV/√Hz	-98 dB	[7][8]
Spectral Noise(1 kHz)	10 µV/√Hz	-100 dB	[7][8]
Spectral Noise(10 kHz)	10 µV/√Hz	-100 dB	[7][8]
Resistance(Minimum required at input)	100,000 Ohm	100,000 Ohm	
Source Capacitance Loading	0.0009 %/pF	0.0009 %/pF	
Physical			
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 350 mV/psi or 350 µA/psi output when using a 17 pC/psi pressure sensor. If used with a pressure sensor 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.


[9]

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.
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