

ELECTRICAL

Supply Voltage Range	VDC	15 to 35	
Current Draw	mA	<70	
Measurement Range	pC	±100 to ±1,000,000	
Output Signal- Instantaneous	V	±10	
Output Signal- Peak	V	0 to 10	
Accuracy	% FS	<±1	
Linearity	% FS	<0.02	
Output Offset	mV	<±10	
Noise (0.1 Hz to 100 kHz)	mVpp	<20	[1]
Output Resistance	Ohm	10	
Reset Operate Offset		Electrically Compensated	
Drift (73°F, 23°C)	pC/s	<0.03	[2]
Offset Voltage Q-input	µV	<50	
Frequency Response (-3dB) ≤100,000pC	kHz	~0 to 20	
>100,000pC	kHz	>2	
Control Input (galvanically separated)	±V	5 to 45	
Switching Output (maximum) (galvanically separated)	mA	100	
	V	45	

ENVIRONMENTAL

Operating Temperature	°F(°C)	+23 to +140 (-5 to +60)	
Storage Temperature	°F(°C)	-4 to +176 (-20 to +80)	
Protection Class		IP40	
EMC		EN 61000-6-2 immunity	[3]
		EN 61000-6-4 emission	[3]

PHYSICAL

Dimensions	in(mm)	3.1 x 3.9 x 1.3 (79 x 98 x 34)	
Weight	lbs(gms)	0.6 (272.2)	
Housing		Aluminum	
Input Connector		BNC Jack	
Position		Side	
Output Connector		25-Pin D-sub	
Position		Side	

NOTES:[1] <30 mV_{pp} in 100 pC range.

[2] Scope: charge input open and screened, charge amplifier connected to operating voltage for min. 30 min, in "operate" mode, lid tightly closed.

[3] See PCB Declaration of Conformance PS056 for details.

SUPPLIED ACCESSORIES:**-NONE-***In the interest of constant product improvement, we reserve the right to change specifications without notice.*

3]

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PCB PIEZOTRONICS INC.
FORCE / TORQUE DIVISION

Drawn	<i>[Signature]</i>	1-17-06	Spec No.	29412
Engineer	<i>[Signature]</i>	1/17/06		
Sales	<i>[Signature]</i>	1/17/06		
Approved	<i>[Signature]</i>	1-17-06		Sheet 1 of 1