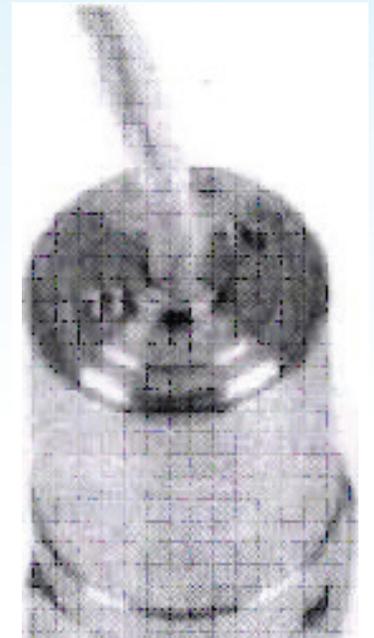


Piezo-Electric Vibration Sensor (PEVS)

Piezo-Electric Vibration Sensor with in-built Electronics (PEVS) integrates piezoelectric crystals with electronics - a Charge-to Voltage Converter with Buffer. It has a simple integration process and provides millivolts output proportional to the applied acceleration.

Specifications

Parameter	Specification	Remarks
Voltage Sensitivity	25 mV/g	.
Range	$\pm 100g$	
Frequency range	20Hz to 2000Hz	
Mounted resonance	> 12 KHz	
Frequency flatness	$\pm 3\%$	upto 2kHz
Non-linearity	$< \pm 0.5\%$	
Lower Frequency cut-off	< 5 Hz	
Power Supply	$\pm 5V, 5mA$ or $\pm 15V, 5mA$	
Electrical interface	Pigtail wires	4-core, Twisted Shielded, 28AWG
Weight	36grams	1-metre pigtail



Salient features

- Built-in electronics, eliminates external signal conditioning
- Ease of integration