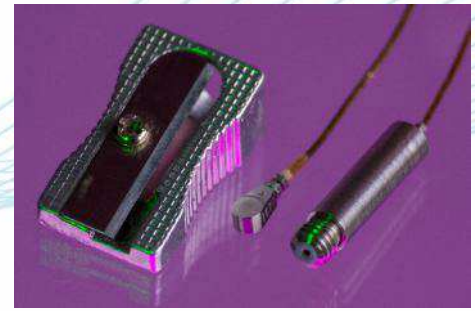


## A/128 Miniature Piezotronic Voltage Accelerometer

1,5 or 10mV/g nom.      0.19gm wt.      Std temp +125°C (Max 185°C)



Ultra-miniature, in-line voltage output, all welded, piezo-ceramic shear plate sensing element. The low mass of the A/128/V renders it transparent in the vast majority of light weight structure vibration measurement applications.

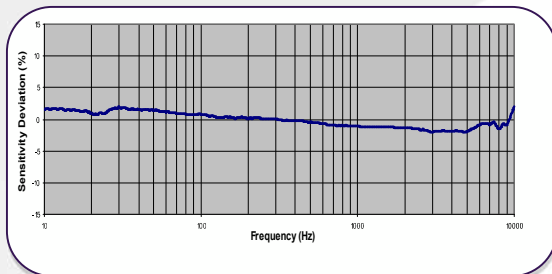
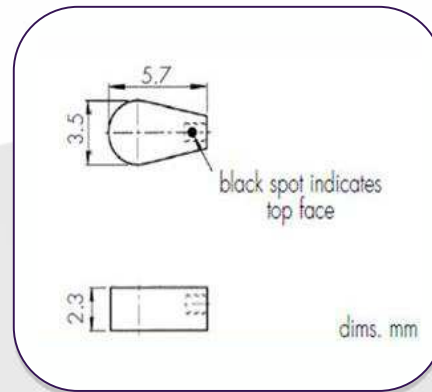
The A/128/V is adhesive mounted. A detachment tool is provided to shear adhesive joints. Shock removal is to be avoided as being deleterious to the integrity of the transducer.

Abrasive cleaning of the attachment face will reduce base thickness over time; sparing use of adhesive will aid longevity.

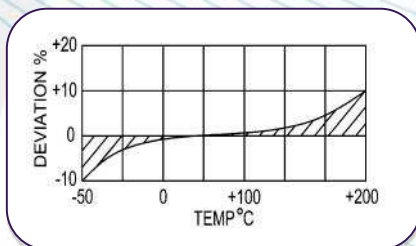
Signal outlet is via a microdot socket on the QF/28, in-line on the cable assembly.

The QVC interface is available in several commercial analyzers as well as in our own VV/04, V3/04 and V4/04.

A/128/V



Typical Frequency Response



Temperature Response (QF/28 not included)

Conversion Mode	Shear Plate/ 2 Wire QVC		
Voltage sensitivity mV/g	1mV/g,	5mV/g,	10mV/g
Resonant Frequency KHz	>45		
Cross Axis error % max	5		
Temperature Range °C	-50/ +185		
Voltage sensitivity deviation re 20 °C	-5% @ - 50 +5% @ + 125 +/- 10% @ +185		
Frequency Range	1Hz - 10KHz +/-5%		
Maximum Continuous g level	5000		
Max Shock g level, rise time µs	10000, 20		
Supply Voltage	15/ 35		
Bias Voltage v	8/10		
Supply Current mA	2/15		
Settling time to 90% final val. (secs)	<1		
L.F, Corner frequency, Hz	0.1		
Saturation Limit, equiv.g	4500/ 5000	900/1000	450/500
Case Material	s/steel 303 S31		
Mounting	Adhesive		
Weight gm	0.19		
Connector	QF-28 (10-32 Microdot)		