

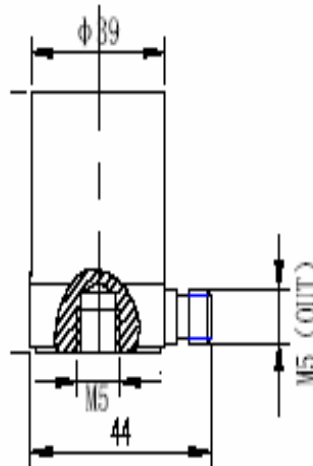
# Standard Calibration Charge Accelerometer

Model AS109A



## Features

- Low Frequency
- High Sensitivity
- Charge Type Accelerometer
- Compress Structure



## Specifications

### DYNAMIC CHARACTERISTICS

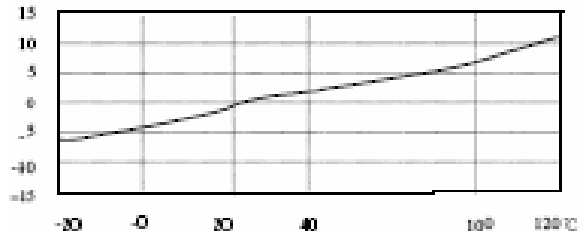
AXES SENSITIVITY (20±5 deg C)	100 OPC/ms-2
MAX TRANSVERSE SENSITIVITY	<= 5 %
FREQUENCY RESPONSE (+/- 10%)	.5 - 500Hz
RESONANCE FREQUENCY	2500 Hz
TEMPERATURE RESPONSE	See temperature curve
POLARITY	Positive
ISOLATION RESISTANCE	>10E9 Ohms
CAPACITANCE	~ 25000 pF

### ENVIRONMENTAL/PHYSICAL CHARACTERISTICS

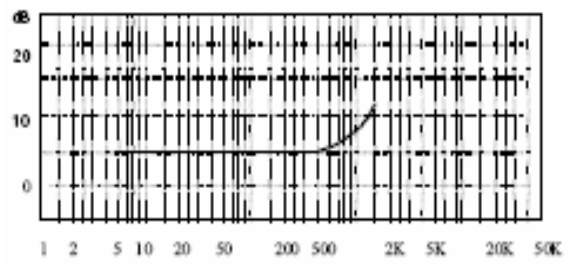
TEMPERATURE RANGE	-20 to +120 deg C
SHOCK LIMIT	10g
TEMPERATURE SENSITIVITY	.1g/degC (0.3Hz)
MAGNETIC FIELD SENSITIVITY	3g/T (50Hz, 0.03T)
STRUCTURAL STRAIN SENS.	0.6 g/microstrain
WEIGHT	400g
CASE MATERIAL	Stainless steel
MOUNTING	M5 Screw
PIEZO MATERIAL	PZT-5
STRUCTURE	Compress Structure
OUTPUT CONNECTION	L5 (One Side)

INCLUDED ACCESSORIES	Calibration sheet
	M5, M5/M8
	L5 STYV-1 cable (2m)

Temperature Curve



Frequency Response



Product information:  
**KCF Technologies, Inc.**  
[www.kcftech.com](http://www.kcftech.com)  
 112 W. Foster Avenue  
 State College, PA 16801  
 TEL: 814-867-4097  
 FAX: 814-238-1875

North American Sales & Support:  
**Scantek Inc.**  
[www.scantekinc.com](http://www.scantekinc.com)  
 7060 Oakland Mills Road, Suite L  
 Columbia, MD 21046  
 TEL: 410-290-7726  
 FAX: 410-290-9167