

Low Frequency Tri-Direction Accelerometer

Model AT100

Features:

- Low Frequency
- Tri-Axial Direction
- Temperature Compensation Structure

Specifications:

Dynamic Characteristics

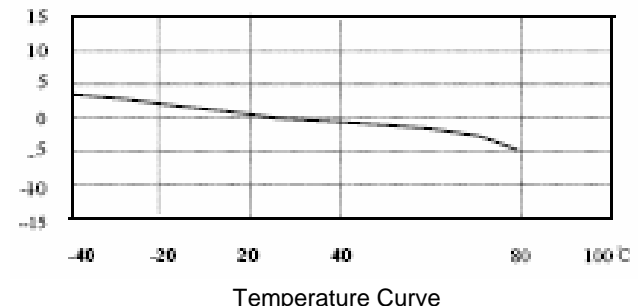
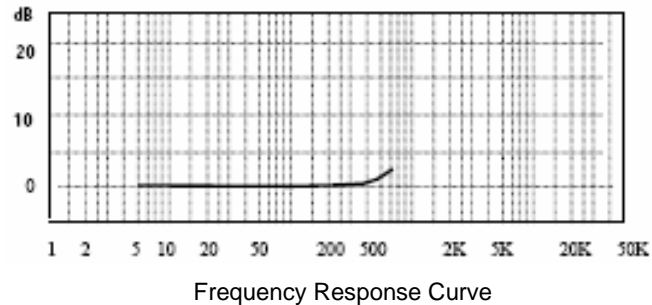
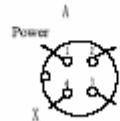
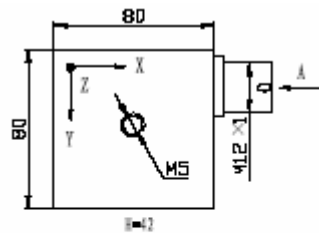
Axes Sensitivity (20±5 deg C)	~500 mV/g
Measurement Range (p-value)	3 g
Max Transverse Sensitivity	<= 5 %
Frequency Response (10%)	0.2 - 300 Hz
Resonance Frequency	1,000 Hz
Temperature Response	See temperature curve
Polarity	Positive

Electrical Specifications

Voltage Supply	+12 ~ +28 V _{DC}
Current	+2 ~ +10 mA
Noise	< 0.08 mg
Max Signal Output (P-VALUE)	<= 5V _p
Output Impedance	< 100 Ω
Bias Voltage	7V +/- 1V _{DC}

Environmental/Physical Characteristics

Temperature Range	-20 to +80 °C
Shock Limit	10g
Temperature Sensitivity	20 mg/°C (0.3Hz)
Structural Strain Sens.	0.4 mg/μ ε
Magnetic Field Sensitivity	10 g/T
Weight	1000 g
Case Material	LY12
Mounting	M5 internal thread (bottom)
Piezo Material	PZT-5
Output Method	Temperature feedback
Output Method	Tri-Axial Connector
Included Accessories	Calibration sheet
	RVVP Cable with one M12 X 1 socket (3m)
	M5 screw X 1



Product information:
KCF Technologies, Inc.

www.kcftech.com
112 W. Foster Avenue
State College, PA 16801
TEL: 814-867-4097
FAX: 814-690-1579

North American Sales & Support:
Scantek Inc.

www.scantekinc.com
7060 Oakland Mills Road, Suite L
Columbia, MD 21046
TEL: 410-290-7726
FAX: 410-290-9167