



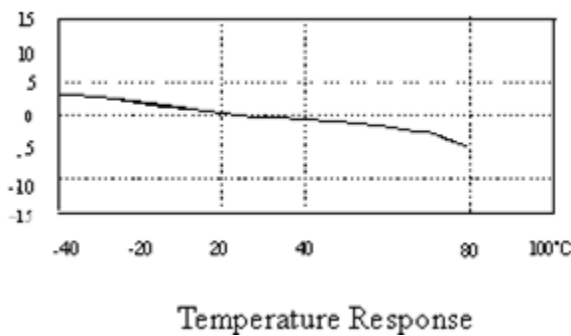
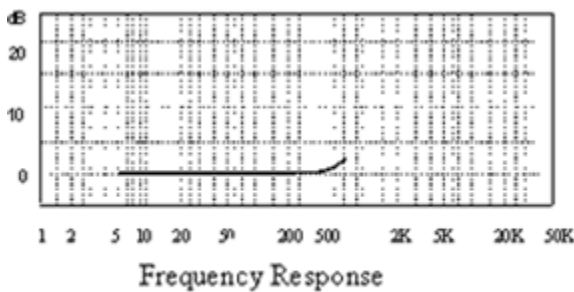
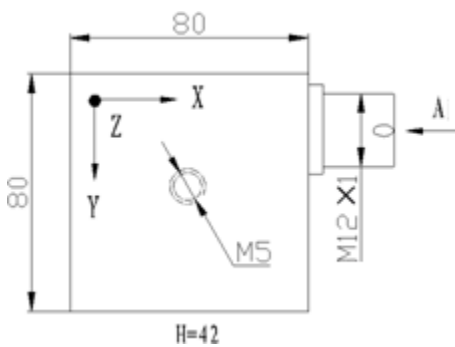
SINOCERA



Piezoelectric Accelerometer (Tri-axial,IEPE,Low Frequency) Model: CA-YD-100

FEATURES

- Built-in IEPE pre-amplifier
- Suitable for Low vibration, low frequency measurement
- Tri-axial (X , Y , Z)
- Temperature compensation



Axial Sensitivity (20±5°C)	500mV/ g (X,Y,Z)
Measurement Range (peak)	10 g
Transverse Sensitivity	≤5 %
Frequency Response (0.5dB)	0.3 to 300 Hz
Mounting Resonance Frequency	1000 Hz
Temperature Response	Refer to the temp. curve
Polarity	Positive
Operating Temp. Range	-20 to +80 °C
Shock Limit(±peak)	50g
Operating Voltage (constant-current source)	+18 to +28 V (DC)
Operating Current	+2 to +10 mA
Output Signal (peak)	≤6V
Noise (1 to 20kHz)	<0.08mg
Base Strain Sensitivity	2mg /με
Magnetic Sensitivity	1g/ T
Thermal Transient Sensitivity	20mg/°C (0.3Hz)
Output Impedance	<100 Ω
DC Offset Voltage	12±2 V
Weight	1000 g
Case Material	LC4
Mounting Method	M5
Sensing Element	PZT-5
Structural Design	Temperature compensation; compression
Output Type	4-pins socket
Sensor Certificate	one
M5 screw, Protection cap	one
Output cable	one