

Piezoelectric Accelerometer (Tri-axial, Earthquake Monitoring)

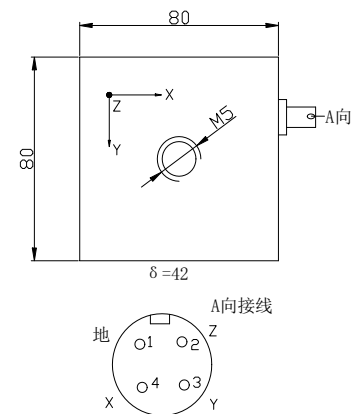
Model: CA-YD-3100

Features:

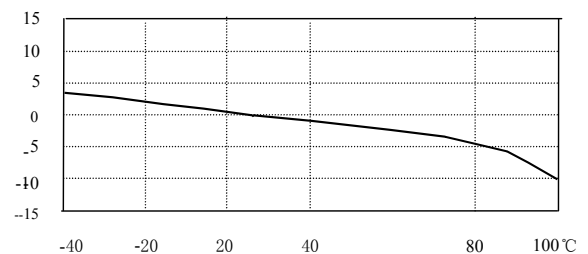
- Built-in low noise IEPE preamplifier
- Low frequency, low vibration level measurements, seismic monitoring
- Simultaneously measure X, Y, Z directions

Specifications:

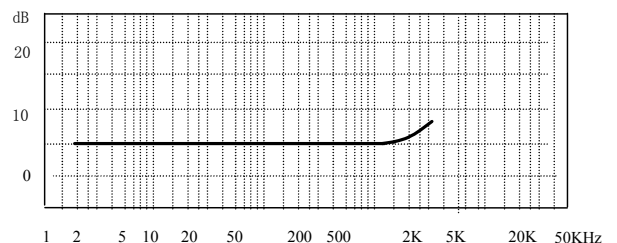
Sensitivity ($20\pm5^{\circ}\text{C}$)	$\sim 500\text{ mV/g}$
Measurement Range (pk)	10 g
Max Transverse Sensitivity	$\leq 5\%$
Frequency Response ($\pm 5\%$)	0.2 ~ 500 Hz
Mounting Resonant Frequency	5,000 Hz
Operating Temp. Range	$-40\sim+80^{\circ}\text{C}$
Temperature Response	See Graph
Shock Limit(pk)	1,000 g
Max Output Signal(pk)	$\leq 5\text{ V}$
Noise	$< 0.1\text{ mg}$
Output Impedance	$< 100\ \Omega$
Operating Voltage(Constant current source)	+12~+24 VDC
Operating Current	+2~+10 mA
DC Bias Voltage	$7\pm 1\text{ V}$
Mounting	M5
Sensing Element	Piezoelectric Ceramics
Sensing Geometry	Shear(insulated shell)
Case Material	LY12
Weight	$\sim 600\text{ g}$
Output	M12*1 4-pin socket
Accessories	
Certificate	Calibration parameter, frequency response
M5 Stud, Protection cap	one
M12*1 4-pins socket, one end free, RVVP cable (2m)	one



Dimensions



Temperature Response



Frequency Response