



Piezoelectric Accelerometer (IEPE, Isolated, Explosion-proof, Industrial)

Model: CA-YD-188GF

Features:

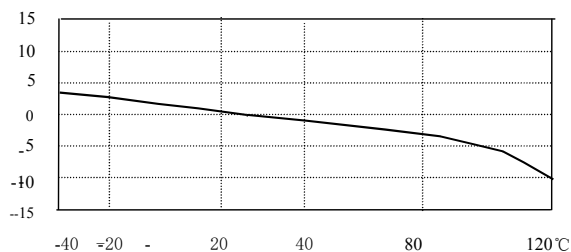
- Isolated IEPE accelerometer
- High sensitivity, cost-effective
- low noise, strong anti-interference, Industrial site testing
- **Intrinsically safe certified**

Specifications:

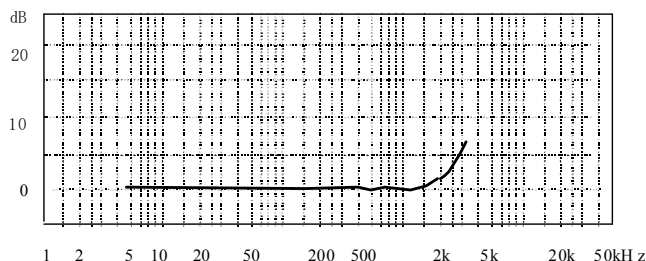
Sensitivity ($20\pm5^{\circ}\text{C}$)	500 mV/ g
Measurement Range (pk)	10 g
Max Transverse Sensitivity	$\leq 5\%$
Frequency Response ($\pm 5\%$)	0.2~3,000 Hz
Mounting Resonant Frequency	6,000 Hz
Operating Temp. Range	$-40\sim+120^{\circ}\text{C}$
Temperature Response	See Graph
Shock Limit(pk)	2,000 g
Max Output Signal(pk)	$\leq 6\text{ V}$
Transient Temperature Response	50 mg/ $^{\circ}\text{C}$ (0.3Hz)
Magnetic Sensitivity	0.6 g/T
Base Strain Sensitivity	0.4 mg/ $\mu\epsilon$
Noise	$< 0.08\text{ mg}$
Output Impedance	$< 100\ \Omega$
Operating Voltage(Constant current source)	18~28 VDC
Operating Current	+2~+10 mA
DC Bias Voltage	11 $\pm$ 1 VDC
Case Isolation	$\geq 10^8\ \Omega$
Mounting	1/4-28
Sensing Element	Piezoelectric Ceramics
Sensing Geometry	Shear
Case Material	Stainless steel
Weight	90 g
Dimensions	$\phi 30\times 60$
Output	5/8-24(2-pin socket)
Accessories	
Certificate	Calibration parameter, frequency response
1/4-28 Stud	one
RVVP Cable(3m), with one end is 5/8-24 2-pin Plug	one



Dimensions



Temperature Response



Frequency Response