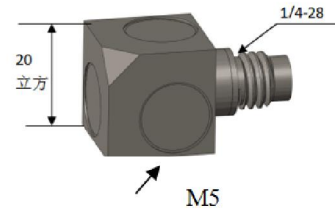


YD37 Piezoelectric acceleration sensor (IEPE)

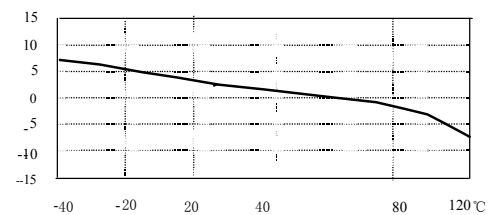
Feature:

- three-way output, can measure X, Y, Z direction at the same time;
- built-in IEPE preamplifier;
- 1 / 4-28 four-core output;

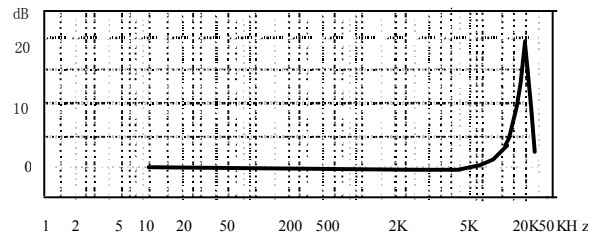
Technical indicators:



shape dimension



temperature curve



typical frequency response curve

Dynamic characteristic	
Measuring range	±1000g
Transverse sensitivity(25°C) ±5%	5 mV/g (160Hz)
Frequency response (±1dB)	1-5,000Hz
Installed resonance frequency	≥15,000Hz
Transverse sensitivity ratio	≤5%
Electrical performance	
Excitation voltage	18VDC-28VDC
Constant current source excitation (mA)	2-10mA
Output impedance	< 100 Ω
Full range output (peak)	±5V
Noise	< 50μV
Bias voltage	+9-+12V
Ambient characteristic	
Working temperature	-40°C ~ +120°C
Shock limit (peak)	±2000 g
Temperature response	see attachment
Physical characteristic	
Structure type	cut
The shell material	304 stainless steel
Output method	1/4-28 four-core
Thread mounting	tackin
Piezoelectric material	PZT-5
Weight	8.5g
Annex	tackin
Mounting bolts	M5
Cable	1/4-28Four-pin plug turn 3BNC Four-core shielded cable 2 meters