

# E308–100 Accelerometer

## Applications

- Tiny objects structure vibration test
- structural modal testing
- harshness (NVH) testing
- low g value impact test

## Characteristics

- Uniaxial sensors
- Single needle interface, stable and reliable
- weight, 6 g
- ground insulation
- air tight encapsulation



Dynamic Characteristics	
Range	$\pm 50g$ (pk)
Sensitivity	100mV/g
Non-linearity	$\leq 1\%$
Frequency response ( $\pm 5\%$ )	0.5 ~ 3,000Hz
Response frequency	$\geq 20kHz$
Transverse Sensitivity	$\leq 5\%$
Electrical Characteristics	
Constant current excitation	2 ~ 20mA
Voltage	18 ~ 30Vdc
Supply current	8 ~ 12Vdc
Shell of insulation, insulation resistance	$\geq 50M\Omega$
Grounding	Sground insulation
Environmental characteristics	
Working temperature	$-55^{\circ}C \sim +125^{\circ}C$
Vibration limit	1000 g pK
Shock limit	2000 g pK
Physical characteristics	
Weight	$\leq 6g$
dimension	10X10X10mm
Case material	Stainless steel
Mounting	10-32 mounting screw

- Cable interface Through the assessment of environmental test: Vibration, Shock, Acceleration, Electromagnetic compatibility, Temperature, Altitude, Temperature impact, Mould, Salt mist, Humidity and hot etc.