



SINOCERA



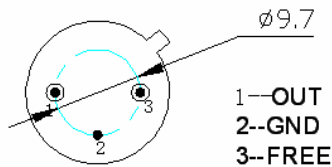
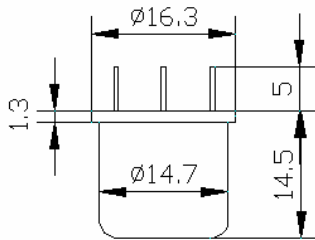
Global Sensor Technology

Condition Monitoring Accelerometer

Model: CA-YD-169

FEATURES

- General purpose vibration and shock measurement
- Low cost
- TO-8 type case
- Charge output



PERFORMANCE

Sensitivity (at 20±5°C)	12pC/ms ⁻²
Transverse sensitivity	≤5%
Measurement range	250 ms ⁻²
Frequency response	see graph below
Frequency range	1 - 8000Hz (3dB)
Mounted resonance	>15kHz
Temperature response	see graph below
Output phase	in phase with input
Isolation resistance	>10 ⁹ Ω
Capacitance	~4600pF

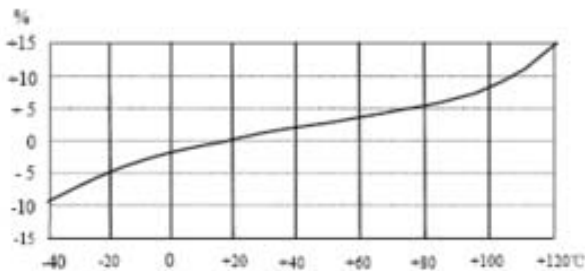
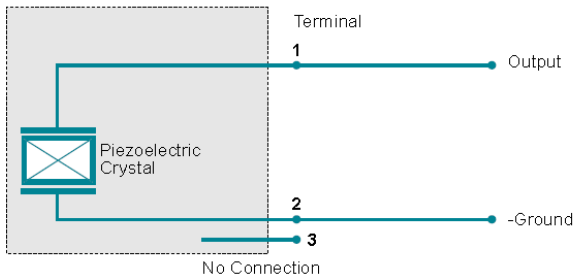
PHYSICAL CHARACTERISTICS

Weight	24g
Case material	stainless steel
Mounting	Adhesive or Jig
Sensing element	PZT-5
Sensor design	Shear
Electrical connection	0.5mm pin

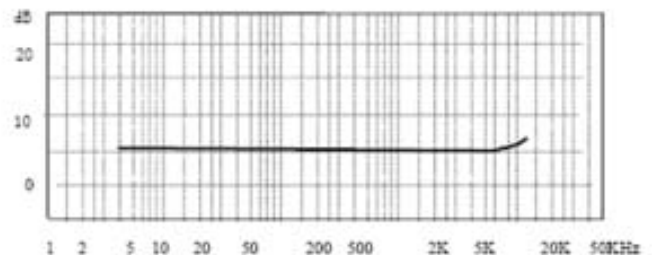
ENVIRONMENTAL CHARACTERISTICS

Temperature range	-40°C to +120°C
Shock limit	50,000ms ⁻² (5000g)
Thermal transient sensitivity	0.008ms ⁻² /°C
Magnetic sensitivity	15ms ⁻² /T
Base strain sensitivity	2×10 ⁻³ ms ⁻² /με

2-Wire Charge Mode



Typical Temperature Response



Typical Frequency Response