



SINOCERA



Global Sensor Technology

20,000ms⁻² (2000g) Accelerometer

Model CA-YD-139

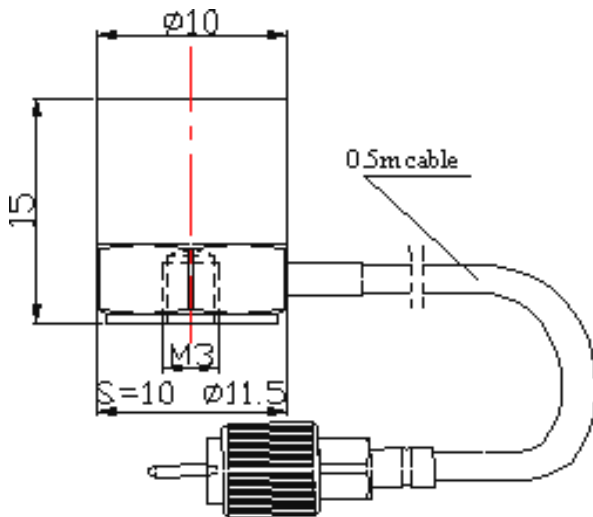
FEATURES

- High vibration measurement
- Wide frequency band
- Small size
- Charge output
- Integral cable



SUPPLIED WITH

- Calibration chart
- M3 to M3 stud
- STYV-1 cable (0.5m) for temperature up to 80°C
- STYV-0.9 cable (0.5m) for temperature up to 150°C



PERFORMANCE

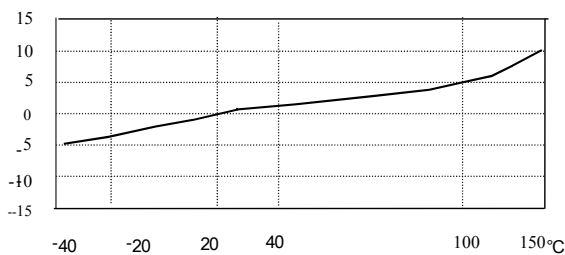
Sensitivity (at 20±5°C)	1pC/ms ⁻²
Transverse sensitivity	≤5%
Frequency response	see graph below
Frequency range (10%)	1Hz to 15kHz
Resonant frequency	35kHz
Temperature response	see graph below
Output phase	in phase with input
Isolation resistance	>10 ⁹ Ω
Capacitance	1200pF

ENVIRONMENTAL CHARACTERISTICS

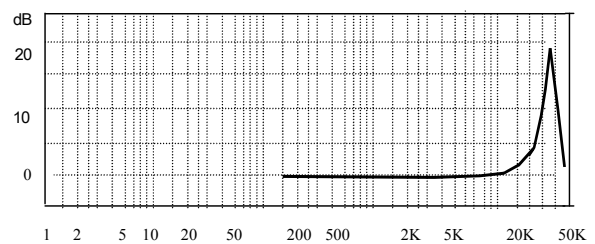
Temperature range	-40°C to 150°C
Shock limit	20,000ms ⁻²
Thermal transient sensitivity	0.04 ms ⁻² /°C(0.3Hz)
Magnetic sensitivity	20ms ⁻² /T
Base strain sensitivity	0.05 ms ⁻² /με

PHYSICAL CHARACTERISTICS

Weight	5g
Case material	stainless steel
Mounting	M3 stud
Sensing element	PZT-5
Sensing method	shear
Electrical connection	integral cable



Typical Temperature Response



Typical Frequency Response (Hz)