



SINOCERA



Global Sensor Technology

## 200,000ms<sup>-2</sup> (20,000g) Accelerometer

## Model CA-YD-125

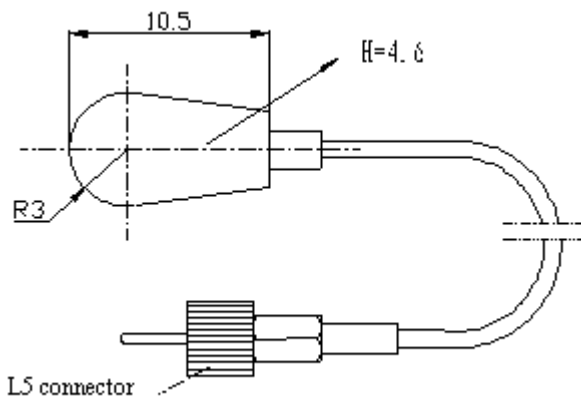
### FEATURES

- Shock acceleration measurement
- Low weight
- Small size
- Charge output
- Integral cable



### SUPPLIED WITH

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



### PERFORMANCE

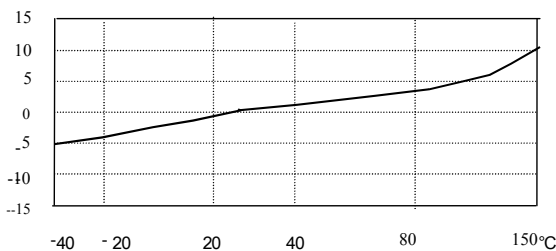
Sensitivity (at 20±5°C)	0.1pC/ms <sup>-2</sup>
Measurement range	200,000 ms <sup>-2</sup>
Transverse sensitivity	≤5%
Frequency response	see graph below
Frequency range (10%)	1Hz to 20kHz
Resonant frequency	50kHz
Temperature response	see graph below
Output phase	in phase with input
Isolation resistance	>10 <sup>10</sup> Ω
Capacitance	500pF

### ENVIRONMENTAL CHARACTERISTICS

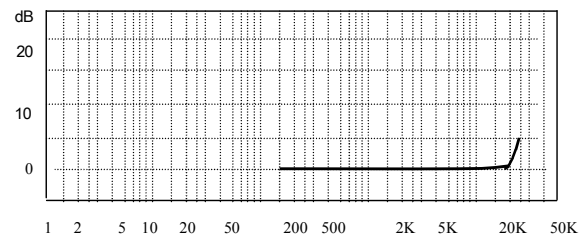
Temperature range	-40°C to 150°C
Shock limit	200,000ms <sup>-2</sup>
Thermal transient sensitivity	0.5ms <sup>-2</sup> /°C(0.3Hz)
Magnetic sensitivity	5ms <sup>-2</sup> /T
Base strain sensitivity	0.05ms <sup>-2</sup> /με

### PHYSICAL CHARACTERISTICS

Weight	1.2g
Case material	stainless steel
Mounting	glue to object
Sensing element	PZT-5
Sensing method	shear
Electrical connection	integral cable



Typical Temperature Response



Typical Frequency Response (Hz)

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