

## Piezoelectric Complexed Accelerometer

Model: CA-YD-142A

Manufacturer: Sinocera Piezotronics Inc.

Distributor: LABSEN

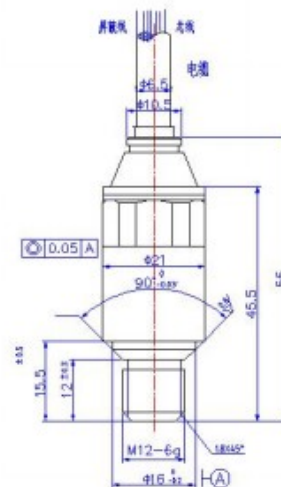


### Features:

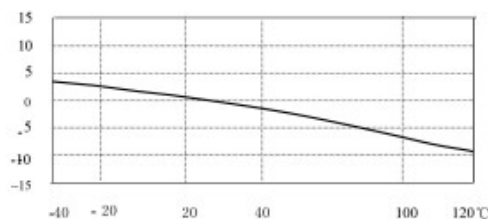
- Isolated, IEPE voltage output
- Output temperature and acceleration signal simultaneously
- Overall sealed 5 core cable
- Rail transit and Industrial monitoring

**Specifications:**

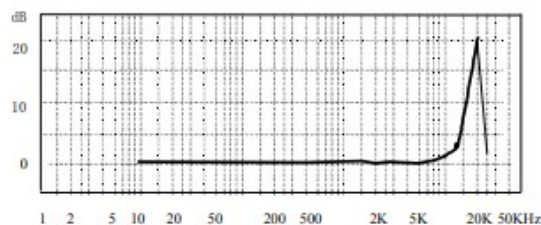
Accelerometer	
Sensitivity(20±5℃)	20 mV/g±5% mV/g
Measurement Range(pk)	±100 g
Max Transverse Sensitivity	≤5 %
Frequency Response	2 ~ 6,000 Hz(±10%) 1~10000Hz(±3dB)
Mounting Resonant Frequency	18-22KHz
Operating Voltage	12±0.12 VDC
Output Zero	0g/6V
Output Impedance	<100 Ω
Dynamic Range	4~8V
Noise	<40 uV(rms)
Case Isolation	≥10 <sup>8</sup> Ω
Operating Temp. Range	-40~+120 ℃
Shock Limit(no power supply)	1000 g
Sensing Element	Piezoelectric Ceramics
Sensing Geometry	Shear
Temperature Transducer	
Temperature Transducer	PT1000(Two wire system)
Accuracy grade	Grade A(±0.15%)
Temperature Range	-50 ℃~+300 ℃
Weight	125 g
Case Material	Stainless steel
Mounting	M12
Output	Overall sealed 5 core cable: Pin1: Power +; Pin2: Power -; Pin 3:Signal Output Pin4: Ref. Voltage Pin5: PT1000 1 + PT1000 2 -



### Dimensions



### Temperature Response



## Frequency Response

**LABSEN® - Laboratory and Sensor Technologies**

25/15 Bellevue Terrace Street  
Saint Lucia, QLD 4067, Australia

ABN 41 242 801 624  
<http://labsentec.com.au>

Email: [enquiry@labsentec.com.au](mailto:enquiry@labsentec.com.au)  
Phone: +61 468 468 988