

# SINOCERA Piezoelectric Accelerometer

(Miniature, Tri-axial, IEPE)

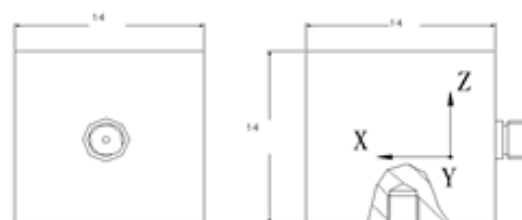
Model: CA-YD-3193

## Features:

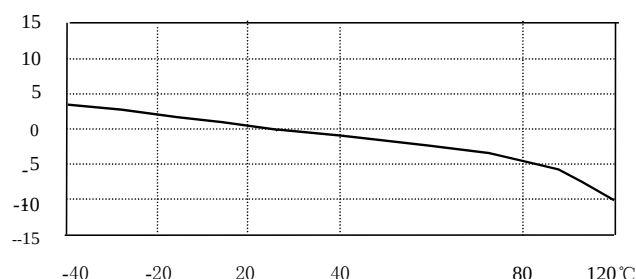
- Miniature, lightweight, 1/4-28 four-pin socket output
- Tri-axial (X, Y, Z) output
- Wide frequency response

## Specifications:

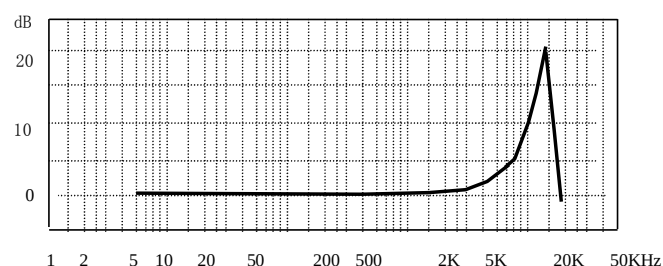
|                                            |                                           |
|--------------------------------------------|-------------------------------------------|
| Sensitivity(20±5℃)                         | ~10 mV/ g                                 |
| Measurement Range(pk)                      | 500 g                                     |
| Max Transverse Sensitivity                 | ≤5 %                                      |
| Frequency Response(±5%)                    | 1~ 4,000 Hz                               |
| Mounting Resonant Frequency                | 20,000 Hz                                 |
| Operating Temp. Range                      | -40~+120 ℃                                |
| Temperature Response                       | See Graph                                 |
| Shock Limit(pk)                            | 2000 g                                    |
| Max Output Signal(pk)                      | ≤6 V                                      |
| Noise                                      | <2 mg                                     |
| Output Impedance                           | <100 Ω                                    |
| Operating Voltage(Constant current source) | +18~+30 VDC                               |
| Operating Current                          | +2~+10 mA                                 |
| DC Bias Voltage                            | 12±2 V                                    |
| Mounting                                   | M5                                        |
| Sensing Element                            | Piezoelectric Ceramics                    |
| Sensing Geometry                           | Shear                                     |
| Case Material                              | Stainless steel                           |
| Weight                                     | 16 g                                      |
| Output                                     | 1/4-28 4-pin plug                         |
| Accessories                                |                                           |
| Certificate                                | Calibration parameter, frequency response |
| M5 Stud, Protection cap                    | one                                       |
| RVVP4-0.1(2m)4-pin cable                   | One end 4-pin plug, one end free          |



Dimensions



Temperature Response



Frequency Response