



SINOCERA



Piezoelectric Accelerometer

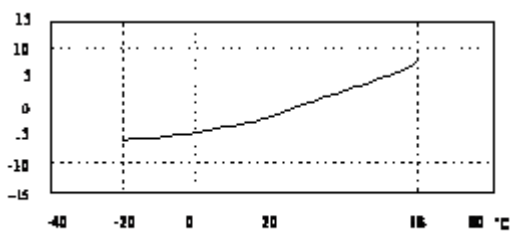
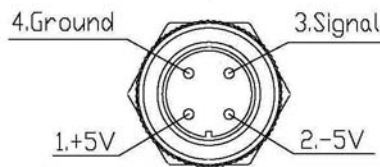
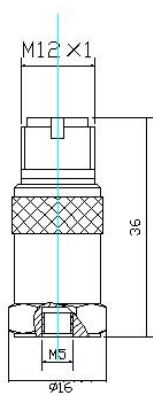
Model: CA-YD-168/168TE

FEATURES

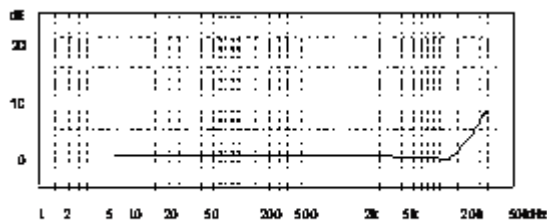
- Built-in IC Pre-amplifier
- Suitable for portable vibrator
- CA-YD-168TE (Smart Sensor: Supporting TEDS)

SUPPLIED WITH

- Calibration chart



Typical Temperature Response



Typical Frequency Response

Technical Specifications:

Axial Sensitivity (20±5°C)	50mV/g
Measurement Range(peak)	40g
Transverse Sensitivity	≤5 %
Frequency Response (0.5dB)	1 to 10,000 Hz
Mounting Resonance Frequency	30,000 Hz
Polarity	Positive
Operating Temp. Range	-20 to +80°C
Shock Limit	200g
Operating Voltage	±5 VDC
Operating Current	≤3mA
Max. Output Signal (peak)	≤±2.5V
Output Impedance	<100 Ω
Noise (1 to 20kHz)	<2 mg
DC Offset Voltage	0V
Weight	35g
Case Material	Stainless steel
Mounting Method	M5
Sensing Element	PZT-5
Structural Design	Shear
Thermal Transient Sensitivity	8mg/°C (0.3Hz)
Magnetic Sensitivity	1.5g/T
Base Strain	0.2mg/με
Output type	Socket with 4 pins Pin 1 (+5V) ;Pin 2;-5V;Pin 3:OUT;Pin 4:GND