



SINOCERA



Global Sensor Technology

Acceleration/Temperature Complex Sensor

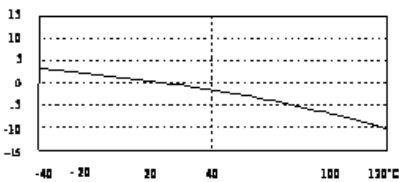
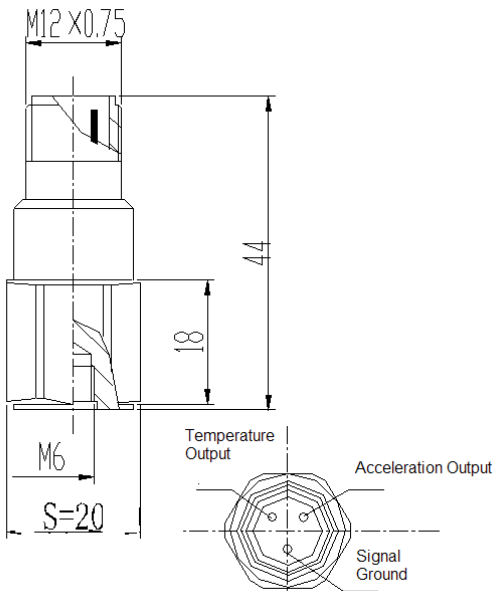
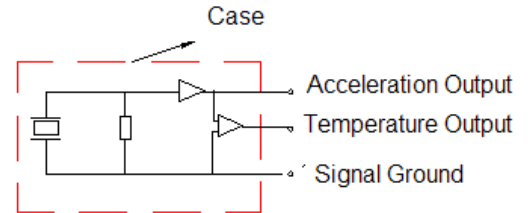
Model: CA-YD-170

FEATURES

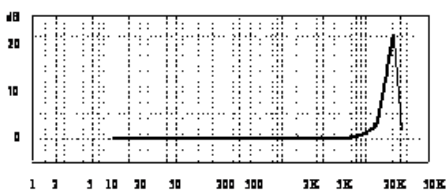
- Built-in IC preamplifier, Isolated Output
- Output of Acceleration and Temperature signal
- Suitable for condition monitoring
- IEPE power supply

SUPPLIED WITH

- Calibration chart
- M6 screw
- Cable (4m)



Typical Temperature Response



Typical Frequency Response

Technical Specifications:

Acceleration:	
Acceleration Sensitivity (20±5°C)	100±5% mV/g
Transverse sensitivity	≤5 %
Frequency Range	1 to 5,000 Hz
Measurement Range	50 g
Polarity	Positive
Mounted Resonance Frequency	18kHz
Output Impedance	<100 Ω
DC Offset Voltage	12±2VDC
Output Signal (peak)	≤5Vp
Noise (1- 20kHz)	<4 mg
Temperature:	
Temperature Sensitivity	10 mV/°C
Temperature Measure Range	-20 to +120 °C
General Characteristics	
Isolated Impedance(Signal Pin to Case)	≥108 Ω
Operating Temp. Range	-40 to +120 °C
Shock Limit	3000 g
Base Strain Sensitivity	0.2 mg/με
Thermal Transient Sensitivity	8mg/°C (0.3Hz)
Magnetic Sensitivity	1g/T
Power Supply (Constant Current)	2 to 10mA /18 to 28VDC
Weight	65 g
Case Material	Stainless steel
Mounting Method	M6
Sensing Element	PZT-5
Structural Design	Shear
Output Type	3-pins Socket (M12 x 0.75)