



Acceleration/Temperature Complex Sensor

Model: CA-YD-142

FEATURES

- Built-in IC preamplifier, Isolated Output
- Output of Acceleration and Temperature signal; Digital Temperature signal output
- Suitable for condition monitoring

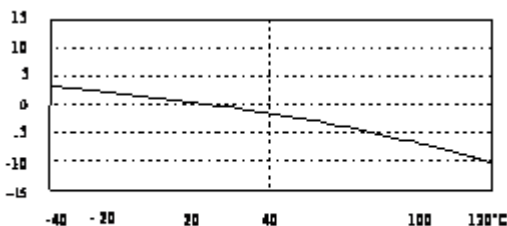
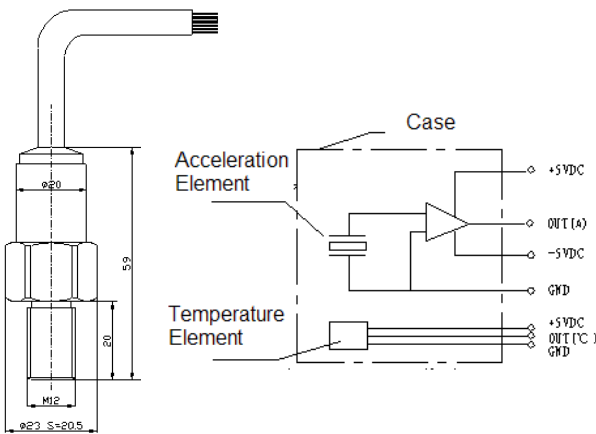
SUPPLIED WITH

- Calibration chart
- M12 screw

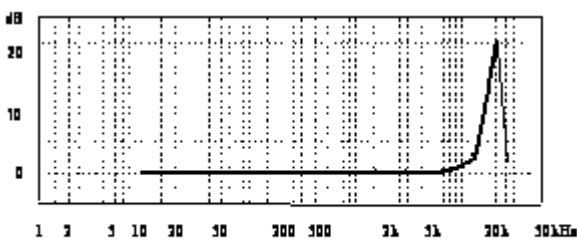


Technical Specifications:

Acceleration:	
Acceleration Sensitivity (20±5°C)	10-50 mV/g
Transverse sensitivity	≤5 %
Frequency Range	1 to 4,000 Hz
Acceleration Measurement Range	10-50 g
Polarity	Positive
Mounted Resonance Frequency	20kHz
Output Impedance	< 100 Ω
DC Offset Voltage	12±2VDC
Output Signal (peak)	≤5Vp
Temperature:	
Accuracy (Digital output)	±0.5°C (-55 to +85°C
Temperature Measure Range	-55 to +125 °C
General Characteristics:	
Isolated Impedance(Signal Pin to Case)	≥108Ω
Operating Temp. Range	-40 to +120 °C
Shock Limit	500 g
Power Supply	±5 to ±12VDC
Weight	28 g
Case Material	Stainless steel
Mounting Method	M12
Sensing Element	PZT-5
Structural Design	Shear
Output Type	7-pins cable



Typical Temperature Response



Typical Frequency Response (Hz)