



SINOCERA



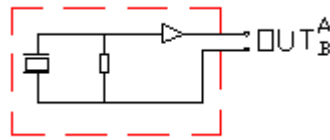
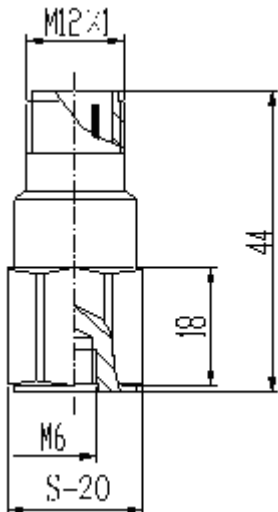
### FEATURES

- Low impedance voltage output
- Isolation from case
- Connection with standard two core cable
- Robust package for use in industrial environments

### SUPPLIED WITH

- Calibration chart
- 1/4"-28 stud
- Two core cable, fitted with two core plugs(4metres)

Model: CA-YD-186G



### PERFORMANCE

Sensitivity (20±5°C )	10mV/ms <sup>-2</sup>
Measurement range	500ms <sup>-2</sup>
Transverse sensitivity	≤5%
Frequency response	see graph below
Frequency range (10%)	1Hz to 5kHz
Resonant frequency	20kHz
Temperature response	see graph below
Output phase	in phase with input

### ELECTRICAL CHARACTERISTICS

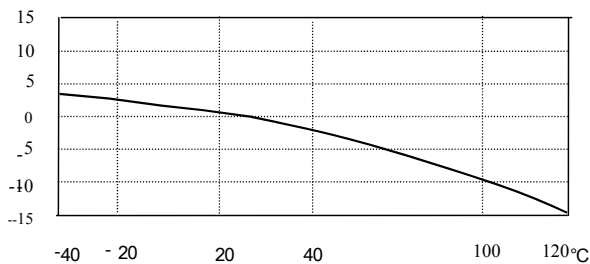
Supply voltage	12V to 28V(DC)
Operating current	2mA to 10mA
Maximum output (peak)	5V
Output impedance	<100Ω
Noise (1Hz to 20 kHz)	<24×10 <sup>-3</sup> ms <sup>-2</sup>
DC offset	7±1V
Signal ground and case resistance	≥10 <sup>8</sup> Ω

### ENVIRONMENTAL CHARACTERISTICS

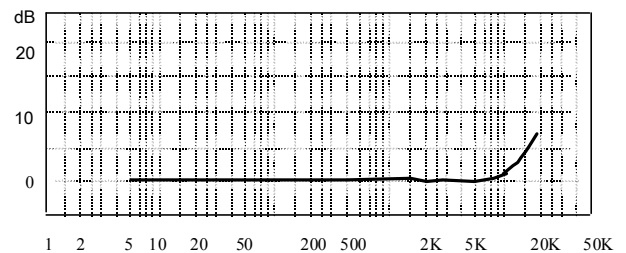
Temperature range	-20°C to 120°C
Shock limit	10,000ms <sup>-2</sup>
Thermal transient sensitivity	0.08ms <sup>-2</sup> /°C(3Hz)
Magnetic sensitivity	10ms <sup>-2</sup> /T
Base strain sensitivity	2×10 <sup>-3</sup> ms <sup>-2</sup> /με

### PHYSICAL CHARACTERISTICS

Weight	65g
Case material	stainless steel
Mounting	1/4"-28thread
Sensing element	PZT-5
Sensing method	shear
Output connection	M12×1 socket



Typical Temperature Response



Typical Frequency Response (Hz)

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