



SINOCERA



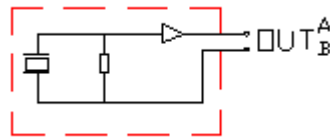
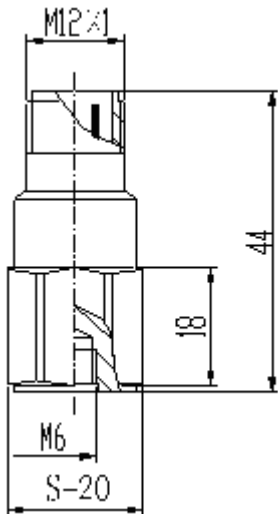
FEATURES

- 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 ⁻²
Measurement range	500ms ⁻²
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

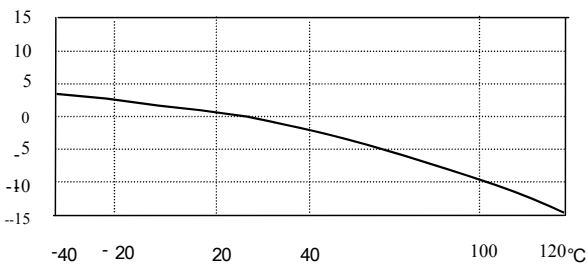
Supply voltage	12V to 28V(DC)
Operating current	2mA to 10mA
Maximum output (peak)	5V
Output impedance	<100Ω
Noise (1Hz to 20 kHz)	<24×10 ⁻³ ms ⁻²
DC offset	7±1V
Signal ground and case resistance	≥10 ⁸ Ω

ENVIRONMENTAL CHARACTERISTICS

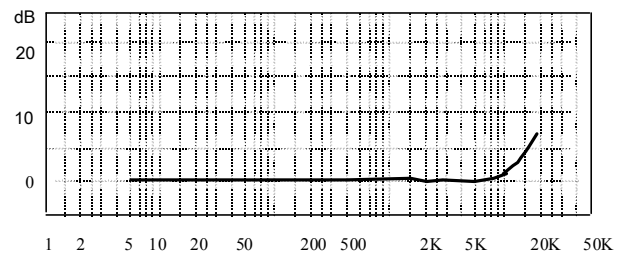
Temperature range	-20°C to 120°C
Shock limit	10,000ms ⁻²
Thermal transient sensitivity	0.08ms ⁻² /°C(3Hz)
Magnetic sensitivity	10ms ⁻² /T
Base strain sensitivity	2×10 ⁻³ ms ⁻² /με

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)