



General Purpose (0.5Hz to 6kHz band) Accelerometer

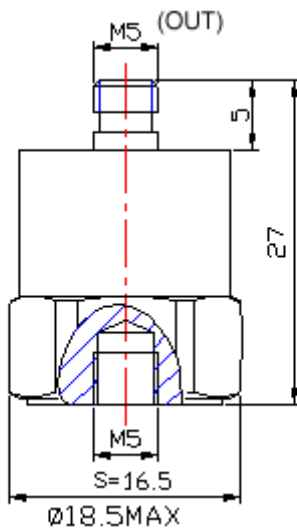
Model CA-YD-108

FEATURES

- General purpose vibration and shock measurement
- No supply required
- Charge output
- Plane shear

SUPPLIED WITH

- Calibration chart
- M5 to M5 stud
- M5 to M8 stud
- Protective cap
- STYV-1 cable, fitted with L5 connectors (2m)



PERFORMANCE

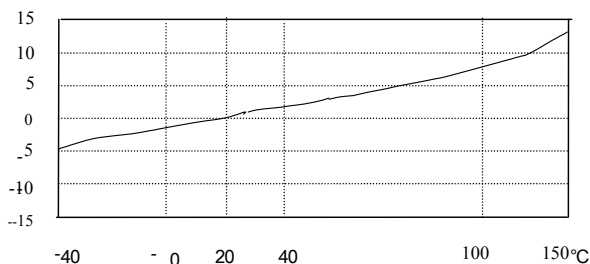
Sensitivity (at 20±5 °C)	10pC/ms ⁻²
Transverse sensitivity	≤5%
Frequency response	see graph below
Frequency range (10%)	0.5Hz to 6kHz
Mounted resonance	25kHz
Temperature response	see graph below
Output phase	in phase with input
Isolation resistance	>10 ⁹ Ω
Capacitance	2000Pf

ENVIRONMENTAL CHARACTERISTICS

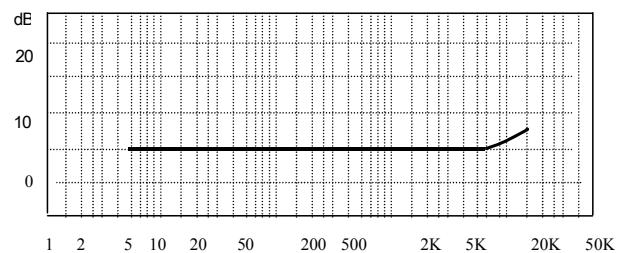
Temperature r	-40 to +150 °C
Shock limit	10,000ms ⁻² (1000g)
Thermal transient sensitivity	0.1ms ⁻² /°C (0.3Hz)
Magnetic sensitivity	20ms ⁻² /T
Base strain sensitivity	0.03ms ⁻² /με

PHYSICAL CHARACTERISTICS

Weight	28g
Case material	stainless steel
Mounting	M5 stud
Sensing element	PZT-5
Sensor design	plane shear
Electrical connection	top L5 connector



Typical Temperature Response



Typical Frequency Response (Hz)