



XYZ Accelerometer

Model CA-YD-141

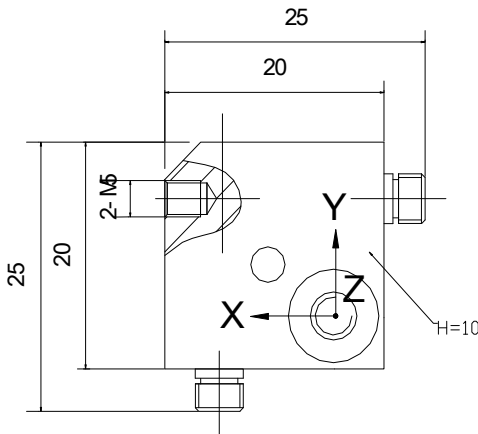
FEATURES

- Simultaneous XYZ vibration measurements
- No supply required
- Mounting by a middle through hole



SUPPLIED WITH

- Calibration chart
- Two M5 to M5 studs
- Three protective caps
- Three TYV-1 cable, fitted with L5 connectors (2metres)



PERFORMANCE

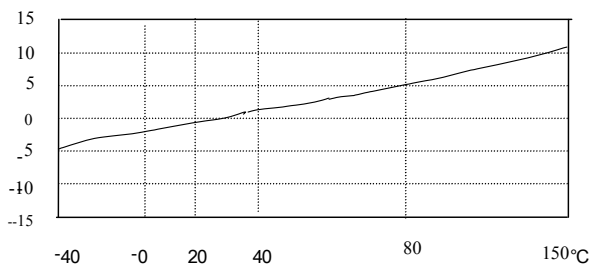
Sensitivity (at 20±5°C)	1.0pC/ms ⁻²
Transverse sensitivity	≤5%
Frequency response	see graph below
Frequency range (1dB)	1Hz to 5kHz
Resonant frequency	35kHz
Temperature response	see graph below
Output phase	in phase with input
Isolation resistance	>10 ⁹ Ω
Capacitance	1500pF

ENVIRONMENTAL CHARACTERISTICS

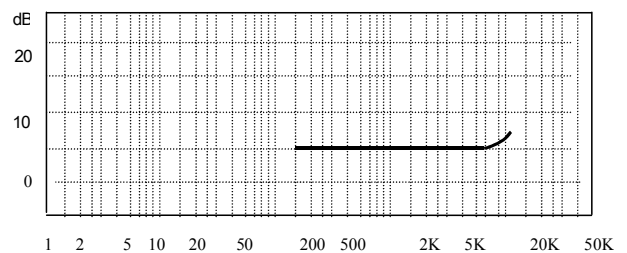
Temperature range	-40°C to 120°C
Shock limit	5,000ms ⁻²
Thermal transient sensitivity	0.08ms ⁻² /°C(0.3Hz)
Magnetic sensitivity	5ms ⁻² /T
Base strain sensitivity	0.04ms ⁻² /με

PHYSICAL CHARACTERISTICS

Weight	17g
Case material	stainless steel
Mounting	Φ5 through hole
Sensing element	PZT-5
Sensing method	delta shear
Electrical connection	L5 connectors



Typical Temperature Response



Typical Frequency Response (Hz)