



Common plane XYZ Accelerometer

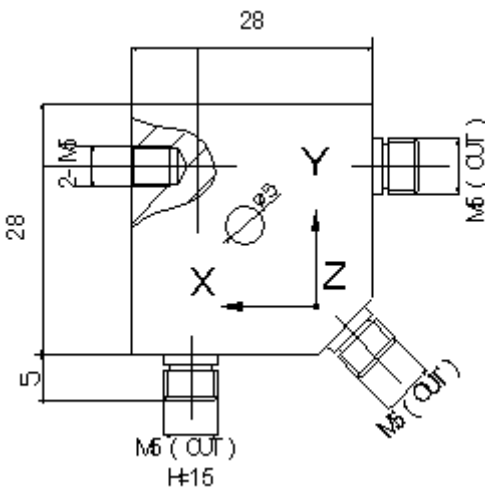
Model CA-YD-116

FEATURES

- Simultaneous XYZ vibration measurements
- No supply required
- Mounting through the middle

SUPPLIED WITH

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



PERFORMANCE

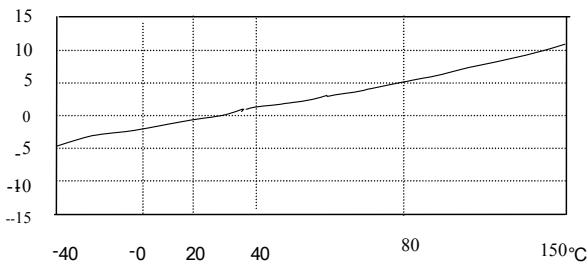
Sensitivity (at 20±5°C)	1pC/ms ⁻²
Transverse sensitivity	≤5%
Frequency response	see graph below
Frequency range (1dB)	1Hz to 5kHz
Resonant frequency	25kHz
Temperature response	see graph below
Output phase	in phase with input
Isolation resistance	>10 ⁹ Ω
Capacitance	1200pF

ENVIRONMENTAL CHARACTERISTICS

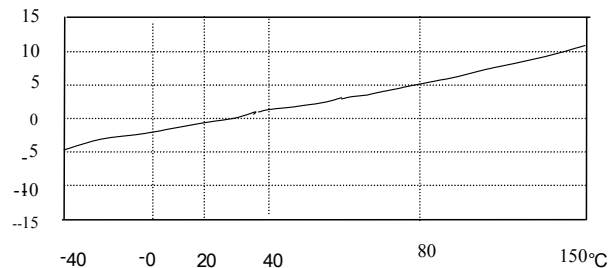
Temperature range	-40 to +150°C
Shock limit	(10,000ms ⁻²) 1000g
Thermal transient sensitivity	4×10 ⁻³ ms ⁻² /°C(0.3Hz)
Magnetic sensitivity	20ms ⁻² /T
Base strain sensitivity	2×10 ⁻³ ms ⁻² /με

PHYSICAL CHARACTERISTICS

Weight	70g
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)