



General Purpose Medium Sensitivity (3.5pC/ms⁻²) Accelerometer

Model CA-YD-104

FEATURES

- General purpose vibration and shock measurement
- Low cost
- No supply required
- Charge output



SUPPLIED WITH

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

PERFORMANCE

Sensitivity (at 20±5°C)	3.5pC/ms ⁻²
Transverse sensitivity	≤5%
Frequency response	see graph below
Frequency range	1Hz to 5kHz (linear to ±5%)
Mounted resonance`	20kHz
Temperature response	see graph below
Output phase	in phase with input
Isolation resistance	>10 ⁹ Ω
Capacitance	1200pF

PHYSICAL CHARACTERISTICS

Weight	30g
Case material	stainless steel
Mounting	M5 stud
Sensing element	PZT-5
Sensor design	compression
Electrical connection	top L5 connector

ENVIRONMENTAL CHARACTERISTICS

Temperature range	-20 to +120
Shock limit	8000 ms ⁻² (800g)
Thermal transient sensitivity	1.0 ms ⁻² / (at 0.3Hz)
Magnetic sensitivity	2.0 ms ⁻² /T
Base strain sensitivity	2.2×10 ⁻³ ms ⁻² /με

