



# Wide Frequency Range (from DC) Accelerometer

# Model CA-DR-1005

### FEATURES

- Working based on differential capacitance
- Wide frequency range from DC
- Stable performance
- Convenient in use



### SUPPLIED WITH

- Calibration chart
- Four M2.5×20 bolts
- 3 core integral cable(2metres)

### PERFORMANCE

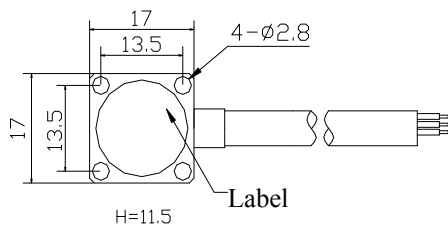
Sensitivity (at 20±5°C)	25mV/ms <sup>-2</sup> ±10%
Measurement range	±50 ms <sup>-2</sup> (5g)
Non-linearity	≤0.5%
Transverse sensitivity	≤5%
Frequency response	see graph below
Frequency range (±5%)	0 to 5kHz
Resonant frequency	15kHz

### ENVIRONMENTAL CHARACTERISTICS

Temperature range	-40°C to 85°C
Impact limit	500g (no supply)
Temperature response	see graph below
Temperature sensitivity	0.05mV/°C
Zero acceleration offset voltage	
temperature sensitivity	1.5mV/°C

### ELECTRICAL CHARACTERISTICS

Supply voltage required	6V to 16V(DC)
Operating current	≤3mA
Noise (100Hz)	2.25mg (rms)
Output impedance	<100Ω
Zero acceleration offset voltage	1.9V to 2.2V



### PHYSICAL CHARACTERISTICS

Weight	20g
Case material	stainless steel
Mounting	4×Φ2.8 through hole
Electrical connection	3 core integral cable
	(red: supply +, white: ground, green: signal line)

