



■ Accelerometer 500 series

		
Type and Feature	Small/Light Weight Vibration measurement and modal analysis on small object.	Vibration measurement
Model	540-E	541-DT
Sine Vibration Limit	49000 m/s ² _{0-p}	16300 m/s ² _{0-p}
Shock Vibration Limit	50000 m/s ² _{0-p}	16000 m/s ² _{0-p}
Frequency Response	20kHz	8kHz
Mounted Resonance	More than 70kHz	More than 40kHz
Mass	2 g	32 g
Dimensions	Female screw M3 D1.6	Male screw M6P1D5
Charge Sensitivity	0.3 pC/(m/s ²) ±20%	5.0 pC/(m/s ²) ±15%
Electrostatic Capacity	900 pF	1000 pF
Temperature Range	-20 to +150 °C	-20 to +140 °C
Cross Sensitivity Ratio	Less than 5%	Less than 5%
Case Material	Titanium	Stainless
Piezoelectric Material	Pb(Zr·Ti)O ₃	Pb(Zr·Ti)O ₃
Cable	AC7020-BM	AC8020-AB
Conversion Adapter	BLM-001	—

■ Accelerometer 700 series

				
Type and Feature	Small/Light Weight Vibration measurement and modal analysis on small object.	Small/Light Weight Simultaneous dynamic measurement in three orthogonal axes on small object.	Center hole type suited to attach to narrow space. Side connector for easily routing cable.	Most suited to low acceleration measurement on building and structure
Model	710-D	712-B3	731-B	760-B
Sine Vibration Limit	5000 m/s ² _{0-p}	5000 m/s ² _{0-p}	5000 m/s ² _{0-p}	1250 m/s ² _{0-p}
Shock Vibration Limit	10k m/s ² _{0-p}	10k m/s ² _{0-p}	15k m/s ² _{0-p}	2.5k m/s ² _{0-p}
Frequency Response	10kHz±1dB 20kHz±3dB	8kHz±1dB	7kHz±1dB	3.5kHz±1dB
Mounted Resonance	More than 60kHz	More than 25kHz	More than 38kHz±5	More than 13.5kHz
Mass	1.9 g	14 g	13.5 g	96.6 g
Dimensions	φ8×5 mm	17.5×17.5×9 mm	φ17.5×9.8 mm	24HEX×30 mm
Mounted Dimensions	M2 Through hole, Adhesive	M2 Through hole, Adhesive	M4 Through hole	M8 Female screw
Charge Sensitivity	0.2 pC/(m/s ²) ±20%	0.347 pC/(m/s ²) ±20%	3.67 pC/(m/s ²) ±20%	35.0 pC/(m/s ²) ±20%
Electrostatic Capacity	1200 pF±20%	750 pF±25%	1600 pF±25%	1500 pF±25%
Temperature Range	-50 to +160 °C	-50 to +160 °C	-50 to +160 °C	-20 to +120 °C
Cross Sensitivity Ratio	Less than 5 %	Less than 5%	Less than 5%	Less than 5%
Structure	CyclicShare	Share	Cyclic Share	Share
Case Material	Stainless	Titanium	Tianium	Stainless
Piezoelectric Material	Pb(Zr·Ti)O ₃	Pb(Zr·Ti)O ₃	Pb(Zr·Ti)O ₃	Pb(Zr·Ti)O ₃
Cable	AC7020-BM	AC-8030-AB×3	AC-8030-AB	AC-8030-AB
Conversion Adapter	BLM-001	—	—	—