

Get charged

Measure it easily and accurately with Endevco accelerometers

Endevco is a preferred supplier of accelerometer technology for Electric Vehicle (EV) test professionals. Our broad range of products provide signal/case ground isolation to ensure accurate data collection in strong electric fields common to EV environments. Importantly, the rugged design, miniature size and low mass of our accelerometers encourage their use in tight spaces and hard to reach locations.

The screw mount designs ensure high accuracy and maximum transmissibility at the upper end of the frequency ranges. Hermetic designs are available where moisture incursion may be anticipated while state-of-the-art temperature compensation encourages use in both Arctic and desert proving grounds.



Model number	7253C	7253D	7250B
Description	Triaxial Wide bandwidth Lightweight	Triaxial Thru hole mount Lightweight	Ultra wide bandwidth Thru-hole mount
Sensitivity mV/g, typical	10	10 / 100	2 / 10
Linear range g	±500	±500 / ±50	±2500 / ±500
Shock limit g	2000	5000	10 000
Frequency response ± 1dB Hz	2-15,000	2-10,000 / 3-10,000 (±10%)	1 to 40,000 (±3 dB)
Broadband noise (µg rms)	2000	2000 / 400	3500 / 1000
Min temperature °C (°F)	-55 (-67)	-55 (-67)	-55 (-67)
Max temperature °C (°F)	+125 (+257)	+125 (+257)	+125 (+257)
Signal/ground isolation	Yes	Yes	Yes
Hermetic seal	No	Yes	Yes
Weight grams (without cable)	3.6	10	1.9
Dimensions mm (in)	15.2 x 15.2 x 7.1 (0.60 x 0.60 x 0.28)	17.8 x 17.8 x 9.5 (0.70 x 0.70 x 0.375)	Ø 9.65 x 6.2 (Ø 0.381 x 0.25)
Mounting method	Screw	Screw	Screw
Cable included	3027AM3-120	3027AM3-120	3091F-120



APPLICATIONS

- Stability control
- In-wheel motor drive
- Road holding
- Motor vibration
- Suspension
- Braking
- Component resonances
- Body vertical acceleration
- Vibration battery testing



Model number	65 / 65M1	67
Description	Triaxial	Triaxial High temperature High sensitivity
Sensitivity mV/g, typical	10 / 100	10 / 100
Linear range g	±500 / ±50	±500 / ±50
Shock limit g	10,000	5000
Frequency response ± 1dB Hz	0.4–10,000 / 1.5–6000	0.15–10,000 / 0.5–10,000
Broadband noise (µg rms)	800 / 400	1400 / 450
Operating temperature °C (°F)	-55 to +125 (-67 to +257)	-55 to +175 (-67 to +347)
Signal/ground isolation	65: No / 65M1: Yes	No
Hermetic seal	Yes	Yes
Weight grams (without cable)	5	14
Dimensions mm (in)	65: 10 cube (0.39 cube) 65M1: 11.2 cube (0.44 cube)	14.81 cube (0.58 cube)
Mounting method	Stud	Stud
Cable included	3027AM3-120	3027AVM13-84 / 3027AM3-36

Model number	770A-770F
Description	Low g DC measurement Rugged Al housing 28 AWG cable
Linear range g	±2/±10/±30/±50/±100/±200
Sensitivity mV/g typical	1000/200/66/40/20/10
Frequency response ±5%	0-200/0-900/0-900/0-900/ 0-1500/0-1500
Non linearity % FSO typical	0.5
Shock limit g	10,000
Operating temperature °C (°F)	-40 to +100 (-40 to +212)
Dimensions mm (in)	15.24 (0.6) cube (A) 15.24 x 22.88 x 15.24 (0.600 x 0.885 x 0.600) (F)
Weight grams	6
Excitation voltage Vdc	7 to 36 or 5V (R option)
Mounting method	Adhesive (A); 2-56 screws (F)



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