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Endevco's New 7298A Triaxial Accelerometer Improves Motion Measurements

October 21, 2021, Depew, NY – Endevco today announced the release of Model 7298A, a triaxial variable capacitance accelerometer designed to provide the high thermal stability and global accuracy required for measurement of low-frequency accelerations in aerospace and automobile environments.

Typical applications require the measurement of whole body motion in three mutually orthogonal directions immediately following shock motion or in the presence of severe vibrational inputs. Damping prevents resonating and flat frequency response down to DC ensures faithful low frequency accuracy and wide bandwidth.

“The 7298A offers something unique to the market with guaranteed performance over temperature and near instantaneous recovery after shock,” said Jennifer MacDonell, MEMS product line manager at Endevco. “This benefits our customers that do aircraft flight testing and other high accuracy triaxial motion measurement, including trajectory monitoring, modal analysis, flutter testing, vehicle dynamics testing, and flight testing of electric vertical take-off (eVTOL) aircraft.”

Model 7298A is available in 2, 5, 10, 30, 50, 100, and 200 g full scale ranges. Each axis of the triaxial accelerometer utilizes a patented variable capacitance MEMS sensing element. Gas damping and internal over range stops enable the MEMS sensing element to withstand high shock and acceleration loads. The triaxial sensor arrangement is housed in a hermetic screw-mount package featuring an integral hermetic receptacle.

Designed to accompany the 7298A, the eight-conductor Model 3911 cable features PFA conductor insulation and jacket with a mating 9-socket plug on one end and tinned pigtailed on the other.

More information is available at <https://bit.ly/3F6hEL4>. For technical inquiries and application support, please contact Jennifer MacDonell, Endevco MEMS product line manager, at jmacdonell@endevco.com or 408.718.9304.



Model 7298A

About Endevco

Endevco provides a complete range of dynamic test and measurement sensor solutions including: MEMS and Piezoelectric Accelerometers, Shock Sensors, Variable Capacitance Accelerometers, Angular Rate Sensors, 6 DoF Sensors, MEMS Pressure Transducers, Signal Conditioners/Amplifiers, Cables, and Accessories. The Endevco brand is recognized for providing high reliability products for applications such as automotive design/crash testing, aircraft/space vehicle testing, weapons/munition testing, and general lab testing. For more information, visit www.endevco.com.

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