

# Download Seismic Accelerometers Tutorial

When a spring – mass – damper system is subjected to acceleration, the mass is displaced, and this displacement of the mass is proportional to the acceleration. Hence a measure of displacement of the mass becomes a measure of acceleration. The main parts of a seismic accelerometer are as follows:...We have used ADXL335 3 axis Accelerometer as a sensor for detecting tilting, trembling or any shaking movement of earthquake. We have interfaced ADXL335 Accelerometer with Arduino and LCD display for designing Arduino Earthquake Detector Alarm with Seismic Graph. To learn detail about Accelerometer Working and Tutorial you can visit: 1.be impacted by a seismic event. To assess the seismic risk, the PCA Report must identify the Peak Ground Acceleration (“PGA”) for the Property. The PGA, which replaced the reporting of the Seismic Zone for the Property, is reported by the United States Geological Survey (“USGS”), and represents the shaking or groundSeismic accelerometers are generally much bigger and heavier than other test and measurement accelerometers. This is due to the much higher quantity of piezoelectric material and the large mass material required to create the high output (typically 10V/g or 9000pC/g) which allows for micro ‘g’ measurements.