**Accelerometer**

An accelerometer is an electromechanical device that will measure acceleration forces. These forces may be static, like the constant force of gravity pulling at your feet, or they could be dynamic - caused by moving or vibrating the accelerometer.

It senses acceleration over (x,y,z) axes and returns a value that it is usually used to describe the orientation of an artefact. The sensing axes can go from 2 to several (12 and more). An accelerometer can help your project understand its surroundings better. Is it driving uphill? Is it going to fall over when it takes another step? Is it flying horizontally or is it dive bombing your professor?

