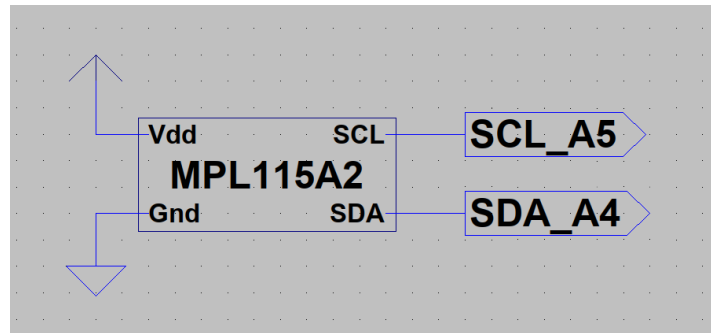




There are other more precise barometers available, but this one works and is the cheapest available. Precise and wide range pressure sensors are more fit for use as altimeters in balloons, but finding ones that are accurate up to 100 kft can be difficult because of how low the atmospheric pressure goes. When using these as altimeters, the local elevation needs to be used as an offset.



To stimulate a pressure sensor, the sensor can be put inside a small box with all the seams sealed up with tape, and squeeze and release the box to vary the pressure the sensor sees. Here's a screencapture of a sensor's response in Kilo Pascals. Usually the programming library for sensitive barometers have a built in function for converting from pressure to altitude with an offset for local sea level pressure.

