

When used with pins in I2C mode, the module is safe to use with 5V systems as the I2C pins should not pull the pins up to 5V. The module has the requisite pull-up resistors to 3.3V.

There are two types of sensors, and two types of libraries.

For the BMP085/180

The I2C address of the module is 0x77 (7bit), or 0xEF/0xEE (8bit), and the library is the “Adafruit BMP085/BMP180” & can be found in the Arduino Library Manager or downloaded directly from <https://github.com/adafruit/Adafruit-BMP085-Library>

The single ‘BMP085test’ example provides an overview of the basic functions of the module, including pressure, temperature and altitude measurements.

For the SPL06-007

The library is the “SPL06-007” & can be found in the Arduino Library Manager or downloaded directly from <https://www.arduino.cc/reference/en/libraries/spl06-007/>

The below wiring will work with any R3 boards that have SCL/SDA broken out next to AREF. Alternative I2C wiring options can be found at <https://www.arduino.cc/en/Reference/Wire>

