

Parts list for “Low-cost Gas Laws Demonstration”

*LCD Keypad Shield*

[Amazon.com: HiLetgo 1602 LCD Keypad Shield 1602 LCD Expansion Shield Board Blue Backlight 4.5-5.5V for Arduino Duemilanove Robot : Electronics](#)

[ACEIRMC 2pcs 1602 LCD Keypad Shield 1602 LCD Expansion Shield Board Blue Bcklght | eBay \(2 pieces\)](#)

*Arduino Uno, R3*

[Amazon.com: ELEGOO UNO R3 Board ATmega328P with USB Cable\(Arduino-Compatible\) for Arduino : Electronics](#)

[2 units-Compatible with Arduino UNO R3 IDE, ATmega 328P CH340 Development Board | eBay](#)

*Arduino BMP 280*

[EC Buying GY-BMP280 Atmospheric Pressure Sensor Module, Digital Atmospheric air Pressure Sensor High Precision BMP280 Arduino Pressure Sensor Replaces BMP180 Digital Interface IIC or SPI. \(10PCS\): Amazon.com: Industrial & Scientific \(10 pieces\)](#)

[5 Pcs GY-BMP280-3.3 High Precision Atmospheric Pressure Sensor Module Digital Ba | eBay \(5pieces\)](#)

*Female to Male connectors*

[Amazon.com: California JOS 40 PCS 20 CM \(8 inch\) Breadboard Jumper Wires Length Optional Dupont Wire Assorted Kit Female to Male Multicolored Ribbon Cables : Electronics](#)

[40pcs 10cm 20cm 30cm 50cm 2.54MM Male to Female Wire Jumper Cables For Arduino | eBay](#)

*Heat Shrink Tubing*

[Amazon.com: Eventronic 560PCS Heat Shrink Tubing 2:1, Electrical Wire Cable Wrap Assortment Electric Insulation Heat Shrink Tube Kit with Box\(5 colors/12 Sizes\), Black, Red, Blue, Yellow, Green : Industrial & Scientific](#)

[Heat Shrink Tube - 2:1 ratio Shrinkable Tubing lot \(SMALL SIZES\) HeatShrinkBuddy | eBay](#)

Plastic drink bottle (64oz)

Four conductor wire (spare USB connector cord works well)

Power source for use when not connected to computer (9v battery with center positive 2.1mm x 5.5mm male connector or other)