

CO2 Controller

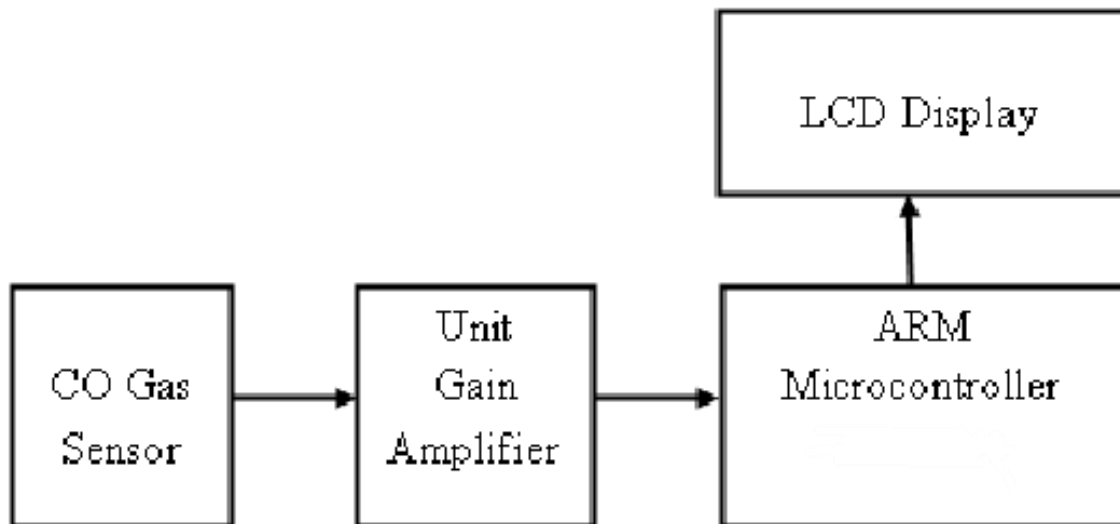
Abstract:

Environmental air parameters directly affect our daily quality of life, and they can change from day to day or even hour to hour. With rapid industrialization over the past few decades, there is a dramatically increasing demand for people to monitor the local air quality to know how they live and what they breathe. In this work, we proposed an air monitoring system based on the Arduino platform. This environmental air monitoring system is designed to provide an efficient, straightforward and robust solution to monitor the air quality continuously and in real-time. It is a portable system that integrates multiple sensors into a single unit and can be placed anywhere. The acquired results are displayed on a screen and can also be saved on a host computer for further analysis.

Introduction:

The atmosphere is a chaotic system, air condition is influenced by many factors and can change quickly. Air condition and quality directly affect people's daily lives, such as their commute to work and the safety of outdoor activities. With the awareness of more and more serious air pollution in many countries growing, there is an increasing demand for a more efficient way to observe, record and collect air quality data.

Block Diagram:



Component Required:

1. Microcontroller
2. Co2 Sensor
3. Lcd Display