

CO₂ METER USING NDIR INFRARED MH-Z14A SENSOR FOR AVR ATMEGA 328

In this paper we consider the possible way to create a system for automatically measuring of carbon dioxide concentrations in industrial premises as well as the light and sound staff alert when exceeding the maximum permissible concentration, which can lead to lethal effects. The system for the automatic CO₂ concentration measurements is developed on the basis of the microcontroller AVR ATmega 328 and the sensor MH-Z14A. The proposed system not only allows you to automatically measure the CO₂ concentration in the production premises and signal the personnel about the danger, but also claims to mass design and production as a separate device for household goods in the category of goods costing up to 100 USD.

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