DESIGN AND CONSTRUCTION OF pH CONTROL SYSTEM FOR ACID BASA CONCENTRATION USING THE LCD DISPLAY

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ABSTRAC

In this final task, we built a pH control system with LCD display which used an AT MEGA microcontroller type 8535. This device can controls pH level for two kind of dissolved (acid and basa), for this case. We have used HCL and NaOH. The sensor test can be performed by using a pH sensor (CuO₂). According from ADC 0804 proceeding test, we got the result that eror rate that device 25% and a conclusion then the pH’s value is going smaller, but if the volume of NaOH is bigger than HCL, then the pH’s value is going bigger.

Key word : pH’s sensor, HCL NaOH, LCD, ADC 0804