

ABSTRACT

Noise and humidity are important and mandatory parameters in the Incubator Analyzer. To check the parameters of the baby incubator whether it is still suitable for use or not suitable for use, it is necessary to calibrate it using the Incubator Analyzer. In this study the authors conducted an analysis of the accuracy of the results of data from storage on the SD Card and the results of the PC display using the Delphi application. The DHT sensor can detect humidity quite well where the biggest error is obtained on DHT 1.208%, on the Analog Sound Sensor V2 sensor it can detect noise with an error of 1.429%. Using data transmission with Bluetooth HC-05 displayed on Delphi and can be stored on SD Card. From the results it was found that the tool was worth using.

Keyword : *Incubator Analyzer, Sensor DHT22, Analog Sound Sensor.*