

ABSTRACT

Measurement is an activity comparing a quantity that is measured by a measuring instrument used as a unit. Tens measuring instrument is used to measure the level of frequency, current and shape of the signal on a tens tool that has a certain standard to be used. Judging from the importance of frequency and current in tens, the author intends to design a tool called "Tens Measurement Tool". This module uses the ACS 712 sensor to detect the outgoing current at tens, and displays the frequency of the tens tool in the form of numbers. Data from the reading results enter the analog pin at the minimum Arduino system, then processed by a microcontroller and the results will be displayed on the TFT LCD. With this the authors conducted research with a pre-experimental method with one group post test design design.