

MEASURING SUGAR CONTENT OF DIFFERENT PINEAPPLE VARIETIES USING NEAR-INFRARED SPECTROMETRY (NIRS)

Device Overview

This project is a portable device designed to measure the sugar level content of pineapples using a sensor-based system, with results displayed in real time on an LCD screen. It includes a user interface with buttons that allow the operator to select the type of pineapple being analyzed, such as MG3, Dole-14, or F200, ensuring more accurate and categorized readings. Powered by a rechargeable battery for mobility, the device is intended for field use, enabling quick and convenient assessment of pineapple quality without the need for laboratory testing equipment.

Hardware:



