DEVELOPMENT OF AN EXPERIMENTAL EQUIPMENT SAMPLE FOR REMOTE IDENTIFICATION AND LIVE WEIGHT CONTROL OF CATTLE ON PASTURE.

[1]DAMIR GAINUDINOV, [2]MAXAT SUIEUBAYEV

[1,2]Kazakh Agro-Technical Research University, Kazakhstan
E-mail: [1]damirgainudinov@gmail.com, [2]maxat.suieubayev@gmail.com

Abstract: During the project testing of a new software code and electronic layout has been conducted. Eight enclosures were manufactured, considering the requirements for installation in the pasture environment. The printed circuit boards were designed using Easy EDA software and produced using a Protomat D104 laser milling machine. These printed circuit boards are double-sided and feature metallized through-holes for enhanced performance. Additionally, the layout allows for the quick replacement of spare parts during finishing work. Five weighing platforms, equipped with new control modules and load cells, have been successfully installed and tested.

Keywords - Electronic Layout, Weight Control, Pasture Environment, Laser Milling, Double-Sided PCBs.