

SUMMARY

to Dmytro Romanchuk's undergraduate internship on the topic: "Platform scales"

Undergraduate practice is devoted to the implementation of automobile scales having the class of accuracy B. Development of design, strain gauges and technological process of their manufacture.

Requirements for project implementation were formulated. The method of obtaining the given results and the method of solving the set requirements are formulated.

The comparative characteristics of existing analogues of the design object are also made. The analysis selected the type of construction, type and method of installation of car scales and strain gauges, which in some way meet the requirements of saving time and financial costs.

During the practice, the geometrical parameters of certain parts were calculated and the technology of their production and assembly was developed.

The result of the obtained data allows to measure the weight of the load to the nearest 0.02%. This allows you to determine the weight with minimal error, which greatly improves weight control of valuable cargo and saves the owner. The results of the load cell calculations allow us to obtain the optimum values of the sensitivity and measurement range