

Summary

This graduation project includes a review of literary sources, design and technology section.

In the review of literary sources, the most common methods of measuring distance, types of distance measurement on the ground are analyzed and analogues of ultrasound range finders are considered.

The design-design section describes the features of the operation of the piezoelectric sensor, calculates the basic electrical parameters of the piezoelectric sensor, its main parameters and the energy calculation of the ultrasonic range meter.

In the technological section, the indicators of productivity were calculated, the assembly scheme and the technological scheme were developed. On the basis of these indicators, we can conclude that there is a possibility of increasing the level of technological ability due to further development.