

SUMMARY

The diploma project developed a design and investigated the accuracy of the anemometer with an anti-icing system.

The graphic part is presented on 4 sheets of A1: 3-d model of anemometer, anemometer structure diagram, charts of characteristics, assembly drawing of the device and working drawings of parts.

Explanatory note includes:

- Terms of Reference;
- Review and analysis of device analogs and existing methods for measuring the velocity and direction of surface wind.
- Design and construction section, where the structure diagram of the anemometer with an anti-icing system, conducted a study of static, dynamic and frequency characteristics, carried out calculations of the main elements of the design of the device, its accuracy and reliability;
- The technological section, where the level of technological complexity was estimated, developed the technological scheme and the scheme of the assembly of the device.
- Appendices: the specification of the assembly drawing.
- Conclusions and list of literature

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