

# SUMMARY

The diploma project is 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: kinematic and structural diagrams of the anemometer, charts of characteristics, assembly drawing of the device, working drawings of parts, and technological equipment.

Explanatory note includes:

- Technical task.
- Review and analysis of existing methods for measuring the velocity and direction of surface wind.
- Design and construction section consisting of a mathematical model of anemometer with an anti-icing system, a study of static, dynamic and frequency characteristics, which have the calculations of the main elements of the device design, its accuracy and reliability.
- Appendices: Specifications for assembly drawings.
- Conclusions and list of literature.

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