

Студент: Скоркін О.Ю., група ПМ-41

Керівник практики: доц. к.т.н. Писарець А.В.

Підприємство: НДЦ «ПРИСЕ» «КПІ імені Ігоря Сікорського»

ANNOTATION

Pre-diploma practice was held at the Scientific Research Center "Instruments and systems of energy efficiency" which is a science part structural subdivision of the "Igor Sikorsky Kyiv Polytechnic Institute".

The main Scientific Research Center lines of work are: development of modern systems design of flow rate, pressure, temperature and levels precise measurements; development of projection systems for energy carriers flow rates measurement instruments; creating a model of interaction liquid flows with sensitive elements for cases steady and unsteady flow conditions.

During practice, technical characteristics of turbine fluid meters, their design features, metrological characteristics, application features were explored; the mass air flow sensor for the electronic fuel injection system was considered. The mechanical and thermal methods for determining the air flow were investigated. More perfect are air flow meters built on a thermal method for determining the mass flow of air. Such flow meters do not have moving mechanical parts; they are characterized by high speed and accuracy.