

Annotation

This thesis work is dedicated to the development of a universal meteorological meter based on the Raspberry Pi. In the theoretical part the existing types of meteorological stations are considered, allowing to realize the own station. In the course of the work, the multifunctional meteorological station was assembled and programmed. The software is written in the Linux / Python language. The prototype was created and test measurements were performed. Calculations on the life safety and economic efficiency of the device were made.