

## **ANNOTATION**

This thesis discusses how to work with the temperature microcontroller and digital temperature sensor DS18B20 and for what purposes is used in a production environment.

Also in the final work shows the measuring range of the temperature sensor, information about the power source and the method of processing the data obtained during the measurement.

In the section life Safety calculation of artificial and natural lighting in production is made. In the economic part of the calculated capital costs and operating costs.