

Summary

A system of meter moisture of fabric was designed in this project. This device is based on the condenser method. This method can be used to determine the physical characteristics of dielectric materials. This method is based on the registration of electrical capacitance and/or tangent of angle dielectric losses of primary converter in the form of an electric capacitor. This system conduct control of moisture in the fabric and expresses it in percentage.

Project included: the development of primary converter in the form of an electric capacitor, functional and principled schemes and the calculations of all device element's.

The device can be very useful in the textile industry and hold a leading position in the market, this factors showing the relevance of the project.