

Design of a temperature and humidity measurement system in a farm via RS485

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Abstract: This topic aims to meet the environmental control requirements in smart agriculture. With the goal of designing and deploying an automatic system for measuring temperature and humidity via the RS485 protocol, we will combine theoretical research with experimentation to build an optimal solution. Thereby, the topic not only contributes to improving agricultural production efficiency but also promotes the application of automation technology in the industry. The results of this project are expected to bring significant economic and sustainable management benefits to farms.

Keywords: Smart agriculture, RS485, Automatic control, Agricultural environment, Measurement engineering