

KEY FEATURES

- 24*7 real time access from smartphone and web dashboard.
- Customizable as per requirements.
- Real time graphs & report generation.
- Notifications & alerts on escalations.
- Scalable and modular, so it can be expanded over time as facility grows.
- Two modes of operation works as a standalone as well part of integrated mesh network.

APPLICATIONS

- Tissue Culture Racks
- Hydroponics & Aeroponics Farms
- Green House
- Mushroom farms

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PRIVATE LIMITED**



PlantIQ
TTCR010124

**Temperature, Humidity,
Light Intensity Data
Logger including Rack**



PlantIQ

TTCR010124



MRP
INR 90000/-

In Indoor farming and Controlled environment agriculture, there is a need for expert monitoring and control of various parameters. Mindful optimization of these parameters ensures that plants are healthy and thriving, leading to higher yields and better-quality crops. PlantIQ provides an IoT solution for automation in Tissue Culture, which gives users access to real-time monitoring and control of **Temperature, Humidity, and light intensity** at **any time** and from anywhere. This enables growers to quickly identify and address any issues that may arise.

• TEMPERATURE & HUMIDITY MONITORING

Temperature and Humidity levels plays a crucial role for maintaining the optimal growing conditions for plant. Sudden fluctuations in these parameters can also stress plants and make them more susceptible to diseases or pests. ThingHz-FarmSense uses **Sensirion SHT31** Temperature & humidity sensor which can be connected to an IoT hub and can be accessed remotely. It helps Indoor farmers to run their climate control systems efficiently.

• LIGHT INTENSITY MONITORING AND CONTROL

The right intensity of light is essential for plants. In order to complete the photoperiod of plants year-round, Artificial lighting is often used to supplement or replace natural sunlight. Moreover, The right ratio of blue to red is also necessary for the healthy growth of plants. ThingHz-FarmSense Light intensity sensor can be connected to an IoT hub which can be accessed and controlled remotely. This system provides the grower full flexibility and control over the lighting to improve the crop quality, productivity and operational efficiency.

