Emesh Farms Technik

The healthy Planet

Leader in Agritech & Automation

Fully Automated Hydroponic Auto Doser System

Polyhouse Controller

Auto Doser with Integrated Polyhouse Controller

Fully Automated Auto Doser & Green House Controller

Webiste : emeshfarms.com
Contact : +91-9920196329, +91-8655599417
Email : sale@emeshfarms.com

1. Functionality

a) Sensor based automation of all parameters of highj tech environment controlled polyhouse

b) Hydroponic nutrient mixing from multiple nutrient strock solution tanks (upto 9) and automatic calibration of EC and Ph before fertigation in any Hydroponic formats

2. Construction

a) Sensor based, works on reliable pneumatics and precise software control

3. Unique Generic Features

a) IOT and Cloud based

b) Colour, large, touch screen to control all parameters and monitor it

c) Trending and data logging for all critical parameters

4. Auto Doser Features:

a) Inline calibration of Ph and EC

b) Option of premixing or main tank mixing

c) Option of input from up to 9 nutrients stock solutions and output to multiple zones

d) The interplay of each of the components based on the inter-dependent settings

e) It can control from 5000 sqft to upto 5 Acre

5. Greenhouse Controller Features

a) Temperature and humidity based operations of Exhaust fan, circulating fans, floggers, pads etc.

b) Interplay of each of components based on dependant settings

c) It can control rightfrom 5000 sqft to upto 5 Acres Polyhouse

6. Maturity

a) Emesh is 9 years in Hydroponic and have delivered more than 70 commercial projects across India. Auto Doser Controller is tested across 30 plus clients in various Hydroponic formats and greenhouses

Controller Highlights

- Integrated controller with Greenhouse and Auto Doser
- IOT and Cloud based
- Colour, touch screen, User settable controls

Auto Doser Controls

- Inline EC and Ph Calibration
- Separate setting for Vine or leafy plants
- Allows creation of multiple zoning based on the strength of nutrients solutions

Complete Greenhouse controls

- Fan-Pad system
- Fogging, Drips
- Circulating fans
- Radiation based watering