

Plant Scale-I and Plant Scale-II

Plant Scale-I · Plant Scale-II

Plant Scale weighs the substrate so irrigation follows measured data.

Substrate weighing systems with 70 kg trays that track weight, drainage and supply and return EC/pH, so irrigation follows what the crop actually uses.

Tray (I)
2500 × 210 mm

Tray (II)
2040 × 300 mm

Standard Substrate Load
70 kg

EC/pH Sensors
Imported from Germany



Features

- It measures transpiration, drainage ratio, weight-loss ratio and VPD to give a reliable basis for irrigation.
- It shows real-time weight, EC/pH of the supply and return solution, and flow.
- It integrates indoor radiation, PAR and plant sensors.
- A smart irrigation decision model runs closed-loop autonomous irrigation.
- The software runs on computer, mobile and tablet, and produces custom crop reports.

Who It Is For

Substrate growers, from greenhouse strawberries to drip-irrigated vine crops, who want irrigation timing based on measured transpiration and drainage rather than manual sampling.

Plant Scale-I and Plant Scale-II Specifications

Parameter	Plant Scale-I	Plant Scale-II
Tray Size	2500 × 210 mm	2040 × 300 mm
Measured Data	Substrate weight, drainage EC/pH, feed volume, drainage volume	Substrate weight, drainage EC/pH, feed volume, drainage volume
Optional Sensors	Solar radiation, air temperature/humidity, substrate, plant	Solar radiation, air temperature/humidity, substrate, plant
Calculated Values	Water content, drainage ratio, substrate VWC	Water content, drainage ratio, substrate VWC
Standard Substrate Load	70 kg	70 kg
EC/pH Sensors	Imported from Germany	Imported from Germany
Application	Conventional drip irrigation, semi-closed irrigation, greenhouse strawberries	—

Hong Kong
Headquarters

Qingdao, China
Office
No 12, Building No 1, Room No 801, Nanjing Road, Qingdao, Shandong 266071, China

Selangor, Malaysia
Office
No. 62, Jalan SE3, Park Residence, Sunway Eastwood, Equine Park, 43300 Seri Kembangan, Selangor, Malaysia

Bengaluru, India
Office
21, 2nd Cross, 515 ABW Colony, HAL 3rd Stage, New Thippasandra, Bengaluru 560075, India



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