



Precision Monitoring for Thriving Hydroponics

iRoot system, ideal for modern hydroponic farmers and agricultural researchers, offers real-time data for optimal plant growth and resource management.

iRoot Benefits

- Monitor the farm instantly from anywhere
- Maintaining plant health and quality
- Avoid diseases and problems
- Remote control of the farm and its equipment
- Take the appropriate solution as soon as possible before any losses occur.
- Reduce production costs
- Help in exporting products



IRoot Features

pH sensor	Range: 0 – 14
EC	5 – 200,000 $\mu\text{S}/\text{cm}$
TDS	0 – 128,000 ppm
salinity sensor	0 – 42 PSU
Temperature sensor	Range: -55 – 125 C
Fertigation unit	5 pumps
Average cable lengths	3 - 5 meters

Control Unit:

Through it, you can control farm equipment such as fans, extractors, cooling panels, and other equipment that the farm needs based on continuous measurement, which ensures maintaining an ideal environment that guarantees high production and quality of plants.