Greenhouse Sensors & Data Connections

Plan measurements across a greenhouse before choosing the controller and data connection. Start with the crop zones, existing instruments and the readings the growing team uses.

WHAT YOU CAN MONITOR

- Collect temperature and humidity at the selected growing zones
- Bring existing sensor readings into farm records
- Keep measurements separate from ventilation or irrigation commands

EQUIPMENT OPTIONS

Add a measurement point

- Selected sensor and serviceable mounting
- Matching wired input or receiving path
- Power and station identity for the new point

Connect an existing greenhouse panel

- Instrument and controller interface documents
- Compatible gateway or acquisition functions
- Agreed field names, units and timestamps

INTERFACES AND DATA HANDOFF

- Match every instrument supply and output to its receiving input.
- A radio link needs a compatible node, receiver and data interpretation.
- Specify any control outputs and local protection separately from monitoring.



SG-THS-140 - LCD sensor, low-frequency LoRa version



Measurement and connection diagram

Equipment photos and connection diagrams for the roles in this guide.

SEND US THESE SITE DETAILS

- Country, greenhouse layout and zones
- Measurements and current instrument models
- Power and cable routes at each point
- Existing controller and interface documents
- Receiving platform and reporting interval

Measurement and data path

Greenhouse zones and instruments → **Matching inputs or radio nodes** → **Collector and receiving interface** → **Growing-team records**

INSTALLATION AND SITE CHECKS

Place sensors for the intended crop-zone measurement. | Confirm units and time against the local instrument reading. | The local control and installation teams handle protective actions.