Soil & Weather Monitoring for Farms

Plan readings beside the crop and in the root zone. Choose the weather channels, soil measurements and way your team will collect the records.

WHAT YOU CAN MONITOR

- Follow weather conditions at the growing area
- Compare soil readings at selected crop depths
- Keep each record with its station, units and measurement time

EQUIPMENT OPTIONS

A weather point beside the crop

- Selected weather instruments and mounting
- Matching logger inputs and local records
- Field power and the chosen data connection

Root-zone measurement points

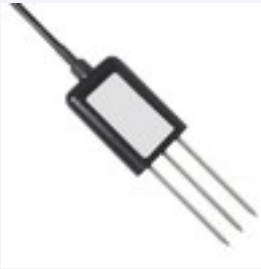
- Soil probes for the selected measurements
- Probe depth, placement and service access
- Compatible inputs or acquisition nodes

INTERFACES AND DATA HANDOFF

- Match the instrument output, supply and protocol to the logger.
- Select rainfall and radiation channels separately from soil measurements.
- Define local collection or remote upload with the receiving system.



SG-WS-109 - Solar-powered weather monitoring controller



SG-SOIL-121 - Moisture, temperature and conductivity

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

SEND US THESE SITE DETAILS

- Country, crop area and number of stations
- Weather channels and soil measurements
- Probe depths and mounting photographs
- Available power and network coverage
- Existing logger and required record interval

Measurement and data path

Crop and root-zone points → **Selected probes and weather channels** → **Compatible logger and power** → **Identified farm records**

INSTALLATION AND SITE CHECKS

Place and maintain instruments for the measurement being taken. | Size power for all probes, logging and communications. | The farm team sets operating decisions and alert responses.