Water Quality for Irrigation & Aquaculture

Choose the water measurements that support the farm task. Plan probe mounting, calibration and a compatible receiving input before combining the equipment.

WHAT YOU CAN MONITOR

- Follow pH and EC in irrigation or mixing water
- Collect dissolved oxygen and other selected pond measurements
- Keep probe maintenance and calibration records with the station

EQUIPMENT OPTIONS

Irrigation source or mixing tank

- Separate pH and water-EC measurements
- Probe mounting and calibration access
- Outputs matched to the controller or logger

Aquaculture water point

- Dissolved-oxygen probe and other selected channels
- Serviceable mounting and cleaning access
- A collector and agreed alarm destination

INTERFACES AND DATA HANDOFF

- Check each probe output, supply, protocol and register map.
- A pH probe, EC probe and oxygen probe provide separate measurements.
- Water EC and soil EC refer to different measurement conditions.



SG-WQE-105 - Glass electrode, direct cable



SG-WQE-101 - Dissolved Oxygen Sensor

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

SEND US THESE SITE DETAILS

- Country and irrigation, tank or pond task
- Parameters and working measurement ranges
- Water temperature and mounting photographs
- Existing controller, inputs and data destination
- Cleaning, calibration and service access

Measurement and data path

Water task and selected parameters → **Serviceable probes and mounting** → **Compatible collector and power** → **Water records and maintenance**

INSTALLATION AND SITE CHECKS

Follow the selected probe instructions for cleaning and calibration. | The crop or aquaculture specialist sets operating limits. | Local protection and response to water-quality alarms need assigned owners.