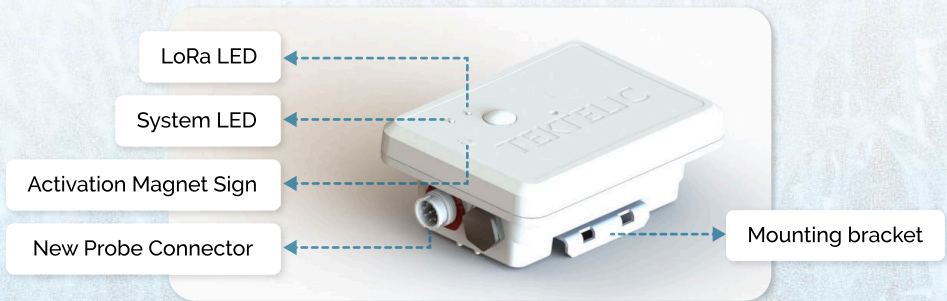


TEKTELIC KIWI Agriculture Sensor

Optimize Crop Health with Smarter Soil Monitoring

The KIWI sensor gives growers an easy way to monitor soil and environmental conditions. With accurate, real-time data, it's easier to decide when to water, adjust lighting, or react to changing field conditions. KIWI works with any LoRaWAN® network and pairs perfectly with TEKTELIC's reliable gateways and agriculture platform for full visibility and smarter decisions across your fields.



WHAT KIWI MEASURES

The KIWI sensor body includes several **Internal Built-In sensors** for monitoring the surrounding environment:



Ambient temperature & humidity

Stay ahead of changing weather and protect crops from disease.



Light intensity

Ensure your plants get the light they need to thrive.



Orientation (installation integrity monitoring)

Get alerts if the sensor shifts.



Acceleration / Movement Detection

Detects sudden movements or impacts.

External probes are ideal for deeper and more precise root zone monitoring and measures two key **in-soil parameters**:



Soil moisture (Watermark® sensors)

Know exactly when and how much to water.



Soil temperature

Make the right call on planting and fertilizing with precise ground temps.

Additional Features:

- IP67 Enclosure – Weather & dust resistant

- Magnet Switch Function -
• Enables operational control (e.g., pairing/reset)

- Battery life up to 10 years

- Replaceable Battery – Uses a C-cell LTC battery

- All global ISM bands supported

- Battery Status Indicator

EXTERNAL PROBE OPTIONS

KIWI supports two external probe cable configurations, depending on your monitoring needs:

Option 1: Includes 1.5 m cable with 1x Irrrometer® Watermark Soil Moisture Sensor and 1x Soil Thermistor.

Option 2: Includes 1.5 m cable with 2x Irrrometer® Watermark Soil Moisture Sensors and 2x Soil Thermistors.

WHAT'S NEW: 1.5 m Extended Connector for Flexible Mounting

You can now mount the KIWI body higher up while keeping the probes in the soil.



Why it matters:

- Easier to reach and maintain in dense crops
- Keeps the device safe from flooding, pests, or damage
- Still gives accurate soil readings

Choose between 2-probe or 4-probe configurations based on your monitoring needs.

BUILT FOR VARIETY ENVIRONMENTS



Smart Irrigation
Systems



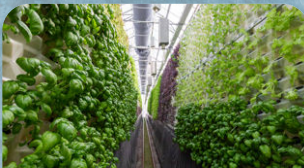
Orchards & Vineyards



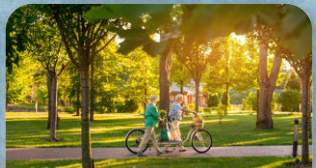
Golf Courses



Commercial
Landscaping

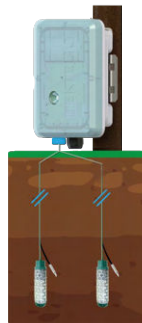


Greenhouses & Vertical
Farms



Public Parks



**Elevated Mount
2 probe option****PLACEMENT
OPTIONS****Elevated Mount
4 probe option****Watermark® Soil Moisture Sensor – Quick Installation Guide****1 Soak the Sensor**

Submerge in clean water for 30–60 minutes before installation.

2 Dig the Hole

Use a soil probe or auger to the desired depth (e.g., 15–30 cm for root zone).

3 Optional: Add Slurry

For dry or sandy soil, pour in a slurry (water + soil mix) to remove air pockets.

4 Insert the Sensor

Place the wet sensor at the bottom of the hole. Ensure full soil contact.

5 Backfill and Tamp

Fill the hole tightly with soil to eliminate gaps around the sensor.

6 Connect to KIWI

Plug the sensor into the designated port on the KIWI cable.

7 Mount the KIWI Device

Secure the KIWI unit above ground using the 1.5 m cable.

**[INSTALLATION VIDEO](#)****Tips:**

Let the sensor stabilize for 24 hours before taking readings.



Install multiple depths for better irrigation control.



Avoid cable damage during and after installation.

START MAKING SMARTER DECISIONS WITH EVERY DROP.

Talk to TEKTELIC today about deploying the KIWI sensor as part of a complete LoRaWAN® solution tailored to your fields.

