

## RAINPOINT SK0101

# RAINPOINT Bluetooth Soil Moisture Meter with Indoor Monitor

Model: SK0101

Brand: RAINPOINT

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## 1. INTRODUCTION

The RAINPOINT Bluetooth Soil Moisture Meter with Indoor Monitor (Model SK0101) is designed to help you monitor soil moisture levels, indoor temperature, and indoor humidity for optimal plant health. This system consists of an outdoor soil moisture sensor and an indoor display monitor, communicating wirelessly to provide real-time data.

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## 2. WHAT'S INCLUDED

- 1 x Bluetooth Soil Moisture Meter (Outdoor Sensor, Model: ICS0001RF)
- 1 x Indoor Monitor (Receiver, Model: B0135SM-Receiver)

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## 3. PRODUCT OVERVIEW

## Outdoor Professional Soil Monitor Kit



((RF))  
Maximum 80m Distance

- IP65-Professional for Outdoor Use
- Soil Temperature Range -10°C ~ 60°C
- Soil Moisture Range 0% ~ 100% (Volume Water Content)
- 5 Soil Moisture Level: 20%,40%, 60%,80% and 100%
- SS304 Probes Provide Precise Data & Anti-Corrosion
- Unit Moisture Content Test Method
- Low Battery Indication

ICS0001RF  
Sensor

NEW

LCD Monitor for Soil Data

Supports Up to 3pcs Soil Sensors

Soil Temperature and Humidity Display

Indoor Temperature Display

Low Battery Reminder



B0135SM-  
Receiver

**Figure 3.1:** Overview of the RAINPOINT Soil Monitor Kit, showing the outdoor sensor and indoor monitor with key features.



**Figure 3.2:** Detailed view of the Indoor Monitor's LCD display, showing soil moisture, indoor temperature, and humidity.

### 3.1 Outdoor Soil Moisture Sensor (ICS0001RF)

- **Durability:** IP65 professional rating for outdoor use, resistant to dust and water jets.
- **Probes:** Features SS304 probes for precise data collection and anti-corrosion properties.
- **Measurement:** Measures soil moisture content (0% - 100% Volume Water Content) and soil temperature (-10°C to 60°C).
- **Battery Indicator:** Includes a low battery indication.

### 3.2 Indoor Monitor (B0135SM-Receiver)

- **Display:** LCD monitor for clear display of soil data.
- **Data Display:** Shows soil moisture levels (DRY, OK, WET, and percentage), indoor temperature, and indoor humidity (RH%).
- **Connectivity:** Receives data from the outdoor sensor via RF signal, with a maximum range of 80 meters.
- **Expandability:** Supports connection with up to 3 soil sensors (additional sensors sold separately).
- **Battery Reminder:** Features a low battery reminder for the monitor itself.

## 4. SETUP

## 4.1 Battery Installation

1. **Outdoor Sensor:** Open the battery compartment on the outdoor soil moisture sensor. Insert the required batteries (typically AA or AAA, refer to the battery compartment markings for exact type and polarity). Close the compartment securely to maintain its IP65 rating.
2. **Indoor Monitor:** Open the battery compartment on the back of the indoor monitor. Insert the required batteries (typically AA or AAA, refer to the battery compartment markings for exact type and polarity). Close the compartment.

Upon battery installation, the outdoor sensor and indoor monitor should automatically connect. The indoor monitor will begin displaying data shortly.

## 4.2 Sensor Placement

1. Select a location in the soil where you wish to monitor moisture. Ensure the location is representative of the plant's root zone.
2. Gently push the probes of the outdoor soil moisture sensor into the soil until the base of the sensor is flush with the soil surface. Avoid forcing the sensor, which could damage the probes.
3. Ensure the outdoor sensor is within the 80-meter wireless range of the indoor monitor. Obstacles like thick walls or metal structures can reduce this range.

# 5. OPERATION

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## 5.1 Reading the Indoor Monitor

The indoor monitor's LCD screen provides the following information:

- **Soil Moisture Level:** Displayed as a percentage (0-100%) and categorized as DRY, OK, or WET. The monitor updates soil moisture data approximately every 6 minutes.
- **Indoor Temperature:** Shows the ambient temperature around the indoor monitor in Celsius (°C).
- **Indoor Humidity:** Displays the relative humidity (RH%) around the indoor monitor.
- **Channel Indicator:** If multiple sensors are used, the channel number (e.g., CH1, CH2) will indicate which sensor's data is currently displayed.
- **Low Battery Indicator:** An icon will appear to indicate low battery for either the sensor or the monitor.

## 5.2 Bluetooth Connectivity (Optional)

The RAINPOINT SK0101 also supports Bluetooth connectivity to a compatible smartphone application for remote monitoring and data logging. Refer to the RAINPOINT app instructions for pairing and usage details. Ensure your phone's Bluetooth is enabled and the device is within range.

# 6. MAINTENANCE

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- **Battery Replacement:** Replace batteries in both the outdoor sensor and indoor monitor when the low battery indicator appears. Use fresh, high-quality batteries for optimal performance.
- **Sensor Cleaning:** Periodically remove the outdoor sensor from the soil and gently clean the probes with a soft cloth to remove any soil buildup or debris. This ensures accurate readings.
- **Water Protection:** While the outdoor sensor is IP65 rated, ensure the battery compartment is always securely closed to prevent water ingress, especially after battery changes.
- **Storage:** When not in use for extended periods, remove batteries from both units and store them in a dry, cool place.

# 7. TROUBLESHOOTING

- **No Display on Indoor Monitor:**
  - Check if batteries are correctly installed and have sufficient charge in both the sensor and monitor.
  - Ensure the monitor is powered on.
- **No Soil Data Displayed / Sensor Not Connecting:**
  - Verify that the outdoor sensor is within the 80-meter wireless range of the indoor monitor.
  - Reduce potential interference from large metal objects or thick walls.
  - Re-insert batteries in both units to force a re-connection.
- **Inaccurate Soil Moisture Readings:**
  - Ensure the sensor probes are fully inserted into the soil and are making good contact.
  - Clean the sensor probes if there is significant soil buildup.
  - The sensor measures moisture at its probe depth; ensure this depth is relevant to your plant's roots.
- **Rapid Battery Drain:**
  - Ensure the battery compartments are sealed correctly, especially for the outdoor sensor, to prevent moisture from affecting the electronics.
  - Use high-quality alkaline batteries.
  - Extreme temperatures can affect battery life.
- **Bluetooth Connectivity Issues (if using app):**
  - Ensure Bluetooth is enabled on your smartphone.
  - Make sure the device is within close proximity to your phone during pairing.
  - Restart the RAINPOINT app or your phone.
  - Re-pair the device through the app settings.

## 8. SPECIFICATIONS

<b>Model</b>	SK0101
<b>Brand</b>	RAINPOINT
<b>Outdoor Sensor Model</b>	ICS0001RF
<b>Indoor Monitor Model</b>	B0135SM-Receiver
<b>Soil Moisture Range</b>	0% - 100% (Volume Water Content)
<b>Soil Temperature Range</b>	-10°C to 60°C
<b>Outdoor Sensor Rating</b>	IP65 (Dust and water jet resistant)
<b>Wireless Range</b>	Up to 80 meters (RF, open air)
<b>Data Update Interval</b>	Approximately 6 minutes for soil moisture
<b>Power Source</b>	Batteries (type specified in battery compartments)

## 9. WARRANTY AND SUPPORT

RAINPOINT products are designed for reliability and performance. For any questions, technical assistance, or warranty claims, please contact RAINPOINT customer support.

### 9.1 Contact Support

RAINPOINT aims to provide prompt assistance. You can expect a response to your inquiries within 24

hours through the following channels:

- **Email:** Refer to the contact information provided in your product packaging or on the official RAINPOINT website.
- **Live Chat:** Available on the official RAINPOINT website during business hours.
- **Local Business:** Check the RAINPOINT website for local service partners or distributors.

Please have your product model (SK0101) and purchase information ready when contacting support.