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› Focket 5-in-1 Soil Meter (Model Focket9obsn73veq) Instruction Manual

Focket Focket9obsn73veq

Focket 5-in-1 Soil Meter Instruction Manual

Model: Focket9obsn73veq

1. INTRODUCTION

The Focket 5-in-1 Soil Meter is a professional handheld device designed for comprehensive soil analysis. It accurately measures soil temperature, humidity, electrical conductivity (EC), pH, and NPK (Nitrogen, Phosphorus, Potassium) values. Featuring a colorful LCD display and data storage capabilities, this meter provides essential information for effective plant care and soil management in various agricultural and gardening applications.

Soil Tester

Support single digital + meter display, multiple measurement data set display, optional real-time curve display.



Image 1.1: The Focket 5-in-1 Soil Meter handheld terminal and sensor.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1 x Handheld Terminal
- 1 x 5-Pin Sensor
- 1 x Power Adapter (Type Random)
- 1 x Power Cord (Type Random)
- 1 x Carrying Case
- 1 x Manual (this document)



Image 2.1: All components included in the Focket 5-in-1 Soil Meter package.



Image 2.2: The protective carrying case for the soil meter and its accessories.

3. PRODUCT OVERVIEW

The Focket 5-in-1 Soil Meter consists of a handheld terminal with an LCD display and membrane keyboard, and a separate 5-pin sensor. The device is powered by a built-in 7.4V 2500mAh lithium battery and supports USB communication for data transfer.



Image 3.1: Handheld terminal connected to the 5-pin sensor.





Image 3.2: Rear view of the handheld terminal.

Key Features:

- **Colorful LCD Display:** 2.8-inch screen for real-time data display, recording, and querying. Supports single digital display, multiple data set display, and optional real-time curve display.
- **Multi-function Buttons:** Includes controls for single point recording, start/stop recording, and other functions.
- **Data Storage:** 4MB internal storage for recording measurement data.
- **USB Communication:** Allows data export to a computer for analysis.
- **High Sensitivity Sensor:** Provides accurate and quick response for soil measurements.

Product Video:

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4. SPECIFICATIONS

Feature	Specification
Item Type	Soil Tester
Material	Plastic + Steel
Battery	1pcs 7.4V 2500mAh LD74250 Lithium Battery (Built-In)
Testing Objects	Temperature, Humidity, Conductivity, pH, NPK
Plug Type	US Plug (Voltage: 100-240V)
Power Supply	12V DC, 2500mA.H
Display Mode	2.8in LCD Display
Communication Method	USB (DB9 interface)
Data Storage	4MB Storage (Standard)
Working Temperature	-20°C~50°C
Working Humidity	0-90% (Relative Humidity), Non-Condensing
Charging Time	≤4H
Handheld Terminal Size	Approx. 20x10cm / 7.9x3.9in
5-Pin Sensor Size	Approx. 13.8x4.5cm / 5.4x1.8in
Item Weight	Approx. 2233g / 78.8oz (Total package weight: 4.89 pounds)

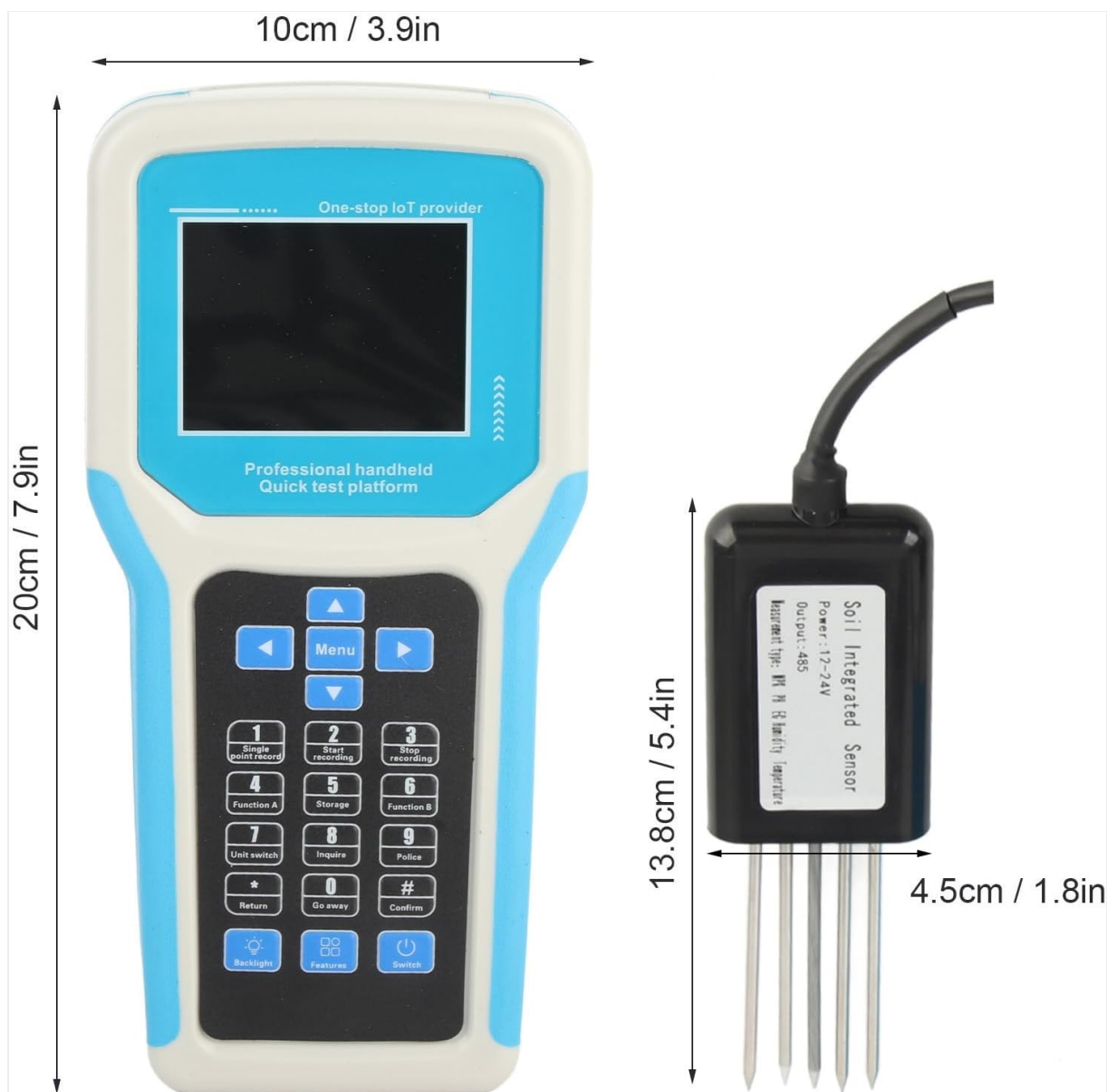


Image 4.1: Dimensions of the handheld terminal and 5-pin sensor.

5. SETUP

1. **Unpack:** Carefully remove all components from the carrying case.
2. **Connect Sensor:** Connect the 5-pin sensor cable to the corresponding port on the handheld terminal. Ensure a secure connection.
3. **Charge Battery:** Before first use, or if the battery is low, connect the power adapter and power cord to the handheld terminal and a suitable power outlet. The charging time is approximately 4 hours.
4. **Power On:** Press the 'On/Off' button on the membrane keyboard to power on the device. The LCD display will illuminate.

6. OPERATING INSTRUCTIONS

Follow these steps to perform soil measurements:

1. **Prepare Soil:** Ensure the soil is moist enough for accurate readings. Avoid inserting the probe into dry or overly compacted soil.
2. **Insert Probe:** Gently insert the 5-pin sensor probe into the soil to the desired depth. Ensure all five

pins are fully submerged in the soil. Avoid bending or forcing the probes.

3. **Read Measurements:** The LCD display on the handheld terminal will show real-time readings for soil temperature, humidity, electrical conductivity (EC), pH, and NPK values.
4. **Recording Data:**
 - For a single point measurement, press the 'Single point recording' button.
 - To begin continuous recording, press the 'Start recording' button. Press 'Stop recording' to end the session.
5. **View Data:** Use the navigation buttons to browse recorded data or view real-time curves if enabled.



Image 6.1: Proper insertion of the sensor into the soil for measurement.

7. DATA MANAGEMENT

The device features 4MB of internal storage for recorded data. To manage and analyze your data:

1. **Connect to Computer:** Use a USB cable to connect the handheld terminal to your computer via the D-type data interface (DB9 charging port).
2. **Export Data:** Follow the instructions in the device's software (if applicable, refer to the full manual for software details) to export the stored data. Data can typically be exported in a format compatible with

Excel for further analysis, printing, and editing.

8. MAINTENANCE

Proper maintenance ensures the longevity and accuracy of your soil meter:

- **Clean Probes:** After each use, gently clean the 5-pin sensor probes with a soft cloth and clean water to remove any soil residue. Do not use abrasive materials or harsh chemicals.
- **Storage:** Store the device and sensor in the provided carrying case in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Battery Care:** Recharge the battery regularly, even if the device is not in frequent use, to maintain battery health. Avoid fully discharging the battery for extended periods.
- **Avoid Impact:** Protect the device from drops and impacts, especially the sensor probes and LCD screen.

9. TROUBLESHOOTING

If you encounter issues with your Focket 5-in-1 Soil Meter, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Inaccurate Readings	Dry soil; dirty probes; improper insertion.	Ensure soil is moist; clean probes thoroughly; insert probes fully into the soil.
Device Not Powering On	Low or depleted battery; faulty power connection.	Charge the battery; check power adapter and cable connections.
Data Transfer Failure	Loose USB connection; incorrect software settings.	Ensure USB cable is securely connected; verify computer recognizes the device.
Display Issues	Software glitch; extreme environmental conditions.	Restart the device; ensure operating within specified temperature/humidity ranges.

If the problem persists after attempting these solutions, please contact customer support.

10. WARRANTY AND SUPPORT

This product comes with a standard manufacturer's warranty. For specific warranty details, please refer to the documentation provided with your purchase or contact the seller directly. For technical support, troubleshooting assistance beyond this manual, or to inquire about replacement parts, please reach out to Focket customer service or the retailer from whom you purchased the product.