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> EVTSCAN Soil Tester User Manual

EVTSCAN B0CF3V9SFX

EVTSCAN Soil Tester User Manual

Model: B0CF3V9SFX

INTRODUCTION

This manual provides detailed instructions for the proper use and maintenance of your EVTSCAN Soil Tester. Please read this manual thoroughly before operating the device to ensure accurate measurements and prolonged product life. This device is designed for measuring soil temperature, air temperature, air humidity, and illumination levels in various environments such as plants, gardens, lawns, and farms.

PRODUCT OVERVIEW

The EVTSCAN Soil Tester is a portable device designed for quick and accurate environmental measurements. It features a clear display, easy-to-use buttons, and a durable probe.



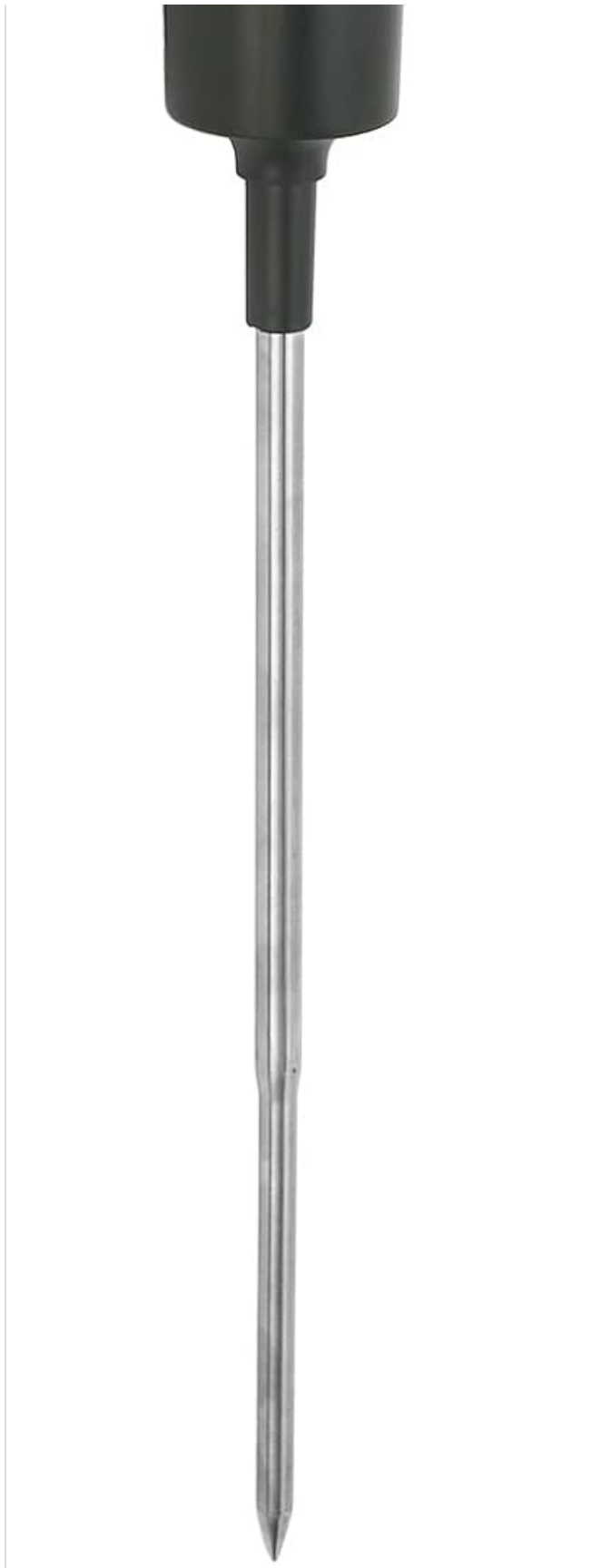


Figure 1: Front view of the EVTSCAN Soil Tester.

Key Features:

- **Easy to Use:** Obtain test results quickly by inserting the probe into the soil.
- **Accurate Measurement:** Designed for precise readings of environmental conditions.
- **Data Lock Function:** A dedicated HOLD button allows for convenient data viewing.
- **Portable Design:** Compact and lightweight for easy transport and use in various locations.

- **Versatile Application:** Suitable for family plants, gardens, lawns, and farms.

SETUP

Battery Installation:

1. Locate the battery compartment on the back of the device.
2. Open the battery compartment cover.
3. Remove any packaging from the included 9V 6F22 dry battery.
4. Insert the 9V battery, ensuring correct polarity.
5. Close the battery compartment cover securely.



Figure 2: Location of the battery compartment.

Note: The device will not power on until the battery is correctly installed and any protective film is removed from the battery terminals.

OPERATING INSTRUCTIONS

Device Controls:



Figure 3: Control buttons on the EVTSCAN Soil Tester.

- **ON/OFF Button:**

- Short press to turn the device on.
- Long press for 3 seconds to turn the device off.
- The device will automatically turn off after 15 minutes of inactivity to conserve battery life.

- **°C/°F Button:**

- Press this button to switch the temperature unit between Celsius (°C) and Fahrenheit (°F).

- **HOLD Button:**

- Press this button to lock the current readings on the display. This is useful for recording data.
- Press again to release the data lock and resume live readings.

Taking Measurements:

1. Turn on the device by short pressing the **ON/OFF** button.
2. Insert the metal probe into the soil to approximately 2/3 of its length (about 14-15 cm or 5.5-6 inches). Ensure the probe is fully inserted into the root zone for accurate soil readings.

3. Position the device to face the sun for accurate illumination readings.
4. Wait a few moments for the readings to stabilize on the display. The display will show soil temperature, air temperature, air humidity, and illumination.
5. If desired, press the **HOLD** button to lock the displayed data for easier recording.
6. After use, gently remove the probe from the soil.



Probe Length: 22cm / 8.7in

Figure 4: Probe length and recommended insertion depth.



Figure 5: Example of readings on the display.

SPECIFICATIONS

Parameter	Value
Soil Temperature Range	-20 °C to +70 °C (-4 °F to +158 °F)
Air Temperature Range	-10 °C to +50 °C (+14 °F to +122 °F)
Air Humidity Range	20% to 99% RH
Power Supply	1 x 9V 6F22 dry battery (280mAh)
Probe Length	Approx. 22 cm / 8.7 in
Item Weight	7.7 ounces
Manufacturer	EVTSCAN
Basic Functions	Air temperature, Air humidity, Illumination display, °C/°F temperature switching, Data retention, Comfort display

MAINTENANCE

- **Cleaning:** After each use, wipe the metal probe clean with a damp cloth to remove any soil residue.

Do not immerse the main body of the device in water.

- **Storage:** Store the soil tester in a dry, cool place away from direct sunlight and extreme temperatures.
- **Battery Replacement:** If the display becomes dim or the device does not power on, replace the 9V battery. Ensure proper disposal of old batteries according to local regulations.
- **Avoid Impact:** Handle the device with care to prevent damage to the probe or internal components.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not turn on.	Battery is dead or incorrectly installed.	Check battery installation; replace with a new 9V battery if necessary.
Inaccurate or fluctuating readings.	Probe is not fully inserted or is dirty; soil is too dry or too wet.	Ensure probe is inserted to 2/3 depth; clean probe thoroughly; ensure soil has adequate moisture for accurate readings.
Display is dim.	Low battery.	Replace the 9V battery.
Automatic shutdown occurs too quickly.	Normal operation (15 minutes of inactivity).	This is a power-saving feature. Turn the device back on if further use is required.

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official EVTSCAN website. Keep your purchase receipt as proof of purchase.