

allsun EM555

allsun Digital Electrical Fence Voltage Tester EM555 User Manual

Model: EM555

1. INTRODUCTION

The allsun Digital Electrical Fence Voltage Tester EM555 is designed for accurate measurement of pulse voltages on electric fences. It features smart power technology that automatically turns on upon detecting a pulse and turns off after approximately 4 seconds of no pulse detection, conserving battery life. This device is essential for checking voltage levels and identifying faults in electric fence lines, ensuring optimal performance for animal control situations.

2. SAFETY INFORMATION

WARNING: Always exercise caution when working with electric fences. High voltage can cause serious injury or death.

- Ensure the electric fence energizer is turned off before any installation or maintenance work on the fence line.
- When using this instrument, always maintain proper insulation. Wear rubber gloves and rubber shoes to prevent electric shock.
- Do not use this device to test voltage greater than 1000V AC.
- Use caution with voltages above 30V AC as they are a possible shock hazard.
- This tester is designed for indoor use and should be protected from water, high humidity, and heat.
- The device uses neon lights for indication. In direct sunlight, the neon light may not be very bright. Shade the display to ensure visibility of the flash neon light.

3. PRODUCT FEATURES

- **Measurement Range:** 300 volts to 9,900 volts (0.3kV to 9.9kV) pulse voltage.
- **LCD Display:** Large, bright screen for clear voltage level indication.
- **Pulse Rate:** Detects one pulse every 0.5 seconds to 2 seconds.
- **Auto On/Off:** Powers on when a pulse is detected and turns off after 4 seconds of inactivity to save battery power.
- **Low Power Consumption:** Approximately 0.03W.
- **Easy to Use:** Simple operation with no buttons or complex setup.
- **Durable Design:** Suitable for regular fence line maintenance.

4. PACKAGE CONTENTS

- 1 x allsun Digital Electrical Fence Voltage Tester EM555
- 1 x Zipper Storage Bag
- 1 x English Instruction Manual

5. SETUP

5.1. Battery Installation

1. Locate the battery compartment on the back of the tester.
2. Use a small screwdriver to open the battery compartment cover.
3. Insert one 9V battery (not included) into the compartment, ensuring correct polarity.
4. Replace the battery compartment cover and secure it with the screw.

Video: Demonstrates how to install the 9V battery into the allsun Digital Electrical Fence Voltage Tester EM555.

6. OPERATING INSTRUCTIONS

The allsun EM555 fence tester is designed for simple, three-step operation:

1. **Ground the Probe:** Insert the metal probe into moist soil to complete the circuit. If the soil is too dry, add a suitable amount of water in advance.

2. **Connect the Hook:** Clip the test hook directly onto the electric fence wire. The fence tester will automatically turn on when a pulse is detected.
3. **Read the Voltage:** The display automatically shows the pulse voltage in kV. For more accurate measurement, wait for three pulses to get a stable and accurate voltage reading. The unit displayed is kV (e.g., a display of 6.0 means 6.0kV or 6000V).

After the test hook is removed from the fence, the last reading will be held on the display for about 4 seconds. If the fence tester does not detect any pulse for about 4 seconds, it will turn off automatically to conserve battery.



Image: Visual guide for the 3-step fence testing process.

Video: Demonstrates the operation of the allsun EM555 Digital Electric Fence Tester, showing how to ground the probe and connect to the fence wire to read voltage.

Video: Shows the allsun Digital Electrical Fence Voltage Tester in use, highlighting its compact size and the neon light indicators for voltage.

7. MAINTENANCE

- Keep the device clean and dry. Wipe with a soft, damp cloth if necessary.
- Store the tester in its zipper bag when not in use to protect it from dust and damage.
- Remove the battery if the device will not be used for an extended period to prevent battery leakage.

8. TROUBLESHOOTING

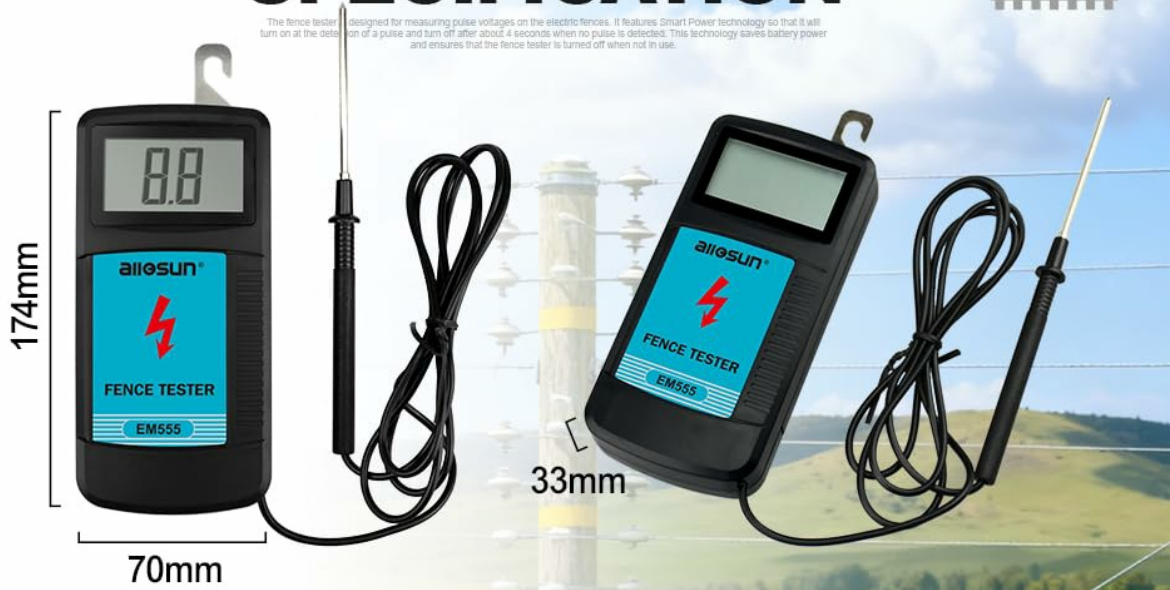
- **No reading on display:**
 - Check if the battery is installed correctly and has sufficient charge. Replace if necessary.
 - Ensure the probe is firmly inserted into moist soil.
 - Verify the test hook is making good contact with the electric fence wire.
 - Confirm the electric fence energizer is active and producing pulses.
- **Display difficult to read in sunlight:**
 - Shade the display with your hand or body to improve visibility of the neon light indicators.
- **Inaccurate readings:**
 - Ensure the soil is adequately moist for proper grounding.
 - Wait for at least three pulses to ensure a stable and accurate reading.

9. SPECIFICATIONS

SPECIFICATION



The fence tester is designed for measuring pulse voltages on the electric fences. It features Smart Power technology so that it will turn on at the detection of a pulse and turn off after about 4 seconds when no pulse is detected. This technology saves battery power and ensures that the fence tester is turned off when not in use.



Display: LCD

Max. Reading: 9.9

Measurement Range: 300V to 9900V pulse voltage

Pulse Rate: one pulse every 0.5 sec to 2 secs

Measurement Rate: each detection of a pulse passing through the fence line under test

Power Consumption: about 0.03W

Battery: 9V,6F22or equivalent 1 piece(Excluding)

Probe Size: 7 Inches

Total lead plus probe length: About 56 Inches

Image: Detailed view of the allsun EM555 tester with dimensions and specifications.

Specification	Value
Model	EM555
Measurement Range	300V to 9900V pulse voltage
Pulse Rate	One pulse every 0.5 sec to 2 secs
Display Type	LCD & Digit
Power Consumption	About 0.03W
Battery	1 x 9V (6F22 or equivalent, not included)
Probe Size	7 inches
Total Lead Plus Probe Length	About 56 inches
Material	ABS

Specification	Value
Item Weight	228 g
Product Dimensions	17.4 x 7.01 x 3.3 cm (2.76 x 6.85 x 1.3 inches)

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or contact allsun customer service directly. Keep your proof of purchase for any warranty claims.