

Gallagher G503014

Gallagher Digital Volt Meter Instruction Manual

Model: G503014

PRODUCT OVERVIEW

The Gallagher Digital Volt Meter (Model G503014) is an essential tool designed for accurately measuring electric fence output. It helps in diagnosing shorts, testing power, and confirming the overall performance of your electric fencing system. This robust and water-resistant device provides precise voltage readings from 0 to 12,000 volts, ensuring your fences maintain optimal deterrent levels.

Key Features

- **Accurate Fence Voltage Readings:** Measures electric fence output from 0 to 12,000 volts with 100V precision under 10kV and 1,000V steps above.
- **Universal Compatibility:** Works with all fence energizers, including battery-powered, solar, and mains energizers, even those in battery save mode.
- **Integrated Tools:** Includes a built-in earth probe and fence stud for easy and accurate readings.
- **Automatic Operation & Durability:** Turns on automatically when connected and features a durable, water-resistant housing.
- **Long-lasting Battery:** Comes with a 9V battery (GLR61) providing 6–12 months of life, ready for immediate use without calibration.

COMPONENTS AND WHAT'S INCLUDED

INCLUDES:

- Volt Meter & Earth Lead
- 9V Battery

**Digital Volt Meter**

Fast and accurate digital read out of fence voltage. Reliably monitor voltage and use to help identify fence line shorts and faults.



This image displays the Gallagher Digital Volt Meter along with its included components. The package contains the volt meter unit itself, an earth lead for grounding, and a 9V battery, ensuring the device is ready for immediate use upon unboxing.

- Gallagher Digital Volt Meter Unit
- Earth Lead
- 9V Battery (GLR61)

SETUP AND INSTALLATION

Battery Installation

The Gallagher Digital Volt Meter comes with a 9V battery pre-installed. If replacement is needed:

1. Locate the battery compartment on the back of the unit.
2. Open the compartment cover.
3. Insert a new 9V battery, ensuring correct polarity.
4. Close the battery compartment securely.

Initial Check

No calibration or complex setup is required. The device is designed for immediate use.

OPERATING INSTRUCTIONS

Taking a Voltage Reading

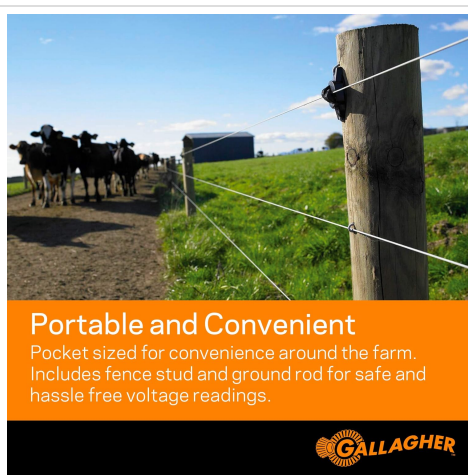


This image illustrates the process of taking a voltage reading with the Gallagher Digital Volt Meter. A hand holds the device, with its top probe touching the electric fence wire and the integrated ground rod inserted into the earth. The digital display shows a reading of "2.0 kV", indicating the fence voltage.

1. Hold the volt meter firmly.
2. Insert the integrated ground rod (or connect the earth lead) into the ground. Ensure good contact with moist soil if possible.
3. Touch the metal probe at the top of the volt meter to the electric fence wire.
4. The device will automatically turn on and display the voltage reading in kilovolts (kV) on the digital screen.
5. Read the displayed voltage. The meter provides 100V precision under 10kV and 1,000V steps above.

Interpreting Readings

A healthy electric fence should maintain a consistent voltage level, typically above 3 kV for effective animal control. Fluctuations or significantly low readings may indicate issues such as shorts, vegetation contact, or energizer problems.



This image shows the Gallagher Digital Volt Meter in a practical farm setting, emphasizing its portability. The device is small enough to be easily carried around the farm, making it convenient for checking fence lines in various locations, such as near cattle pastures.

MAINTENANCE

Cleaning

Wipe the unit with a damp cloth. Do not use abrasive cleaners or immerse the unit in water.

Battery Replacement

Replace the 9V battery when the display becomes dim or the unit fails to power on. Refer to the "Battery Installation" section for instructions.

Storage

Store the volt meter in a dry place away from extreme temperatures when not in use.



This image highlights the durability of the Gallagher Digital Volt Meter, showing it in a field with horses under stormy skies, with icons for rain/umbrella and a 9V battery. It signifies the device's water-resistant design and long battery life, built to withstand various weather conditions and provide reliable performance.

TROUBLESHOOTING

No Reading or Low Reading

- **Check Battery:** Ensure the 9V battery is properly installed and has sufficient charge. Replace if necessary.
- **Ground Contact:** Verify that the ground rod has good contact with the earth. If the ground is dry, moisten the area around the rod.
- **Fence Contact:** Ensure the probe makes firm contact with the live fence wire.
- **Fence Shorts:** A low reading often indicates a short circuit on the fence line (e.g., vegetation touching the wire, broken insulators). Inspect the fence line for any obstructions or damage.
- **Energizer Issue:** If the fence line is clear and the meter still shows low or no reading, the energizer may be faulty. Test the energizer output directly if possible.

Inaccurate Readings

- **Poor Grounding:** Ensure the ground rod is deeply inserted and has good electrical contact with the soil.
- **Interference:** Keep the meter away from other strong electrical fields during measurement.

SPECIFICATIONS

Specification	Detail
Brand	Gallagher
Model Number	G503014
Power Source	Battery Powered
Style	Digital
Measurement Type	Voltmeter
Voltage Range	0 to 12,000 Volts (12 kV)
Measurement Accuracy	100V precision (under 10kV), 1,000V steps (above 10kV)
Item Weight	4.8 ounces
Dimensions (L x W x H)	3 x 5 x 9 inches
Battery Type	1 x 9V battery (included)
Water Resistance	Yes (Water-resistant housing)

WARRANTY AND SUPPORT



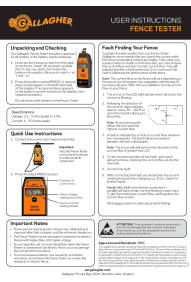

Gallagher products are built to high standards. For specific warranty information or technical support, please contact Gallagher North America directly.



You can find more information and contact details on the official Gallagher website or through your authorized dealer.



This image features the Gallagher brand logo and the slogan "The Brand You Can Trust," alongside a large bull in a pasture, symbolizing the company's long-standing heritage in animal management products since 1938. It reinforces the brand's reputation for quality and innovation.

Related Documents - G503014

	<p>Gallagher Lithium Solar Energizer Quick Start Guide</p> <p>Quick start guide for the Gallagher Lithium Solar Energizer (Model 3E5721). Learn how to install, charge, and operate your energizer safely and effectively.</p>
 <p>i-SERIES ENERGIZER REMOTE & FAULT FINDER</p> <p>Instructions - ENG Installatie-instructies - NED Notice d'installation - FRA Bedienungsanleitung - DEU Montageanleitung - DAN Instrucciones - ESP Montaasgehandleiding - SVE Istruzioni per l'installazione - ITA</p>	<p>Gallagher i-Series Energizer Remote & Fault Finder User Manual</p> <p>User manual for the Gallagher i-Series Energizer Remote & Fault Finder, providing instructions on installation, features, fence checking, fault finding, and alarm detection in multiple languages.</p>
	<p>Gallagher Fence Tester User Instructions</p> <p>Comprehensive user instructions for the Gallagher Fence Tester, detailing setup, operation, fault finding, and important safety notes. Includes specifications and troubleshooting tips.</p>
 <p>FENCE ENERGIZER M5000i</p> <p>Instructions - ENG Installatie-instructies - NED Notice d'installation - FRA Bedienungsanleitung - DEU Montageanleitung - DAN Instrucciones - ESP Montaasgehandleiding - SVE Istruzioni per l'installazione - ITA</p>	<p>Gallagher M5000i Mains Powered Fence Energizer User Manual</p> <p>Comprehensive user manual for the Gallagher M5000i Mains Powered Fence Energizer. Includes detailed instructions on installation, operation, safety, troubleshooting, and product specifications for effective animal containment.</p>

<div></div> <div><p>SOLAR FENCE ENERGIZER S12 LITHIUM</p></div> <div><p>Indicaciones 1245 Instalación y conexión 1250 Mantenimiento 1255 Seguridad 1260 Soluciones 1265 Mantenimiento 1270 Mantenimiento 1275 Mantenimiento 1280 Mantenimiento 1285</p></div>	<p>Gallagher S12 Lithium Solar Fence Energizer User Manual Installation & Operation Guide</p> <p>Comprehensive user manual for the Gallagher S12 Lithium Solar Fence Energizer. Includes installation instructions, safety warnings, troubleshooting tips, and product specifications for effective electric fencing.</p>
<div></div> <div><p>PORTABLE SOLAR FENCE ENERGIZER S400</p></div> <div><p>Indicaciones 1245 Instalación y conexión 1250 Mantenimiento 1255 Seguridad 1260 Soluciones 1265 Mantenimiento 1270 Mantenimiento 1275 Mantenimiento 1280 Mantenimiento 1285</p></div>	<p>Gallagher S400 Portable Solar Fence Energizer User Manual</p> <p>User manual for the Gallagher S400 Portable Solar Fence Energizer, providing installation instructions, operation modes, and troubleshooting tips for effective animal containment and management.</p>