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Voltcraft VC-11889355

VOLTCRAFT VC-11889355 2-Pole Voltage Tester User Manual

Model: VC-11889355

1. Introduction

The VOLTCRAFT VC-11889355 is a robust 2-pole voltage tester designed for reliable verification of voltage in electrical installations. Manufactured and tested according to EN 61243-3:2010 and VDE0682 standards, this device provides clear voltage indication via bright LEDs (12 - 690 V) and an LCD display for the actual effective value. It incorporates various functions for comprehensive electrical testing.

2. Safety Information

Always adhere to local safety regulations and guidelines when working with electrical systems. This device is designed for professional use and requires a basic understanding of electrical principles.

- **Rated Categories:** This tester is rated for CAT III 1000 V and CAT IV 600 V. Ensure the measurement category matches or exceeds the environment you are working in.
- **Inspection:** Before each use, inspect the tester for any signs of damage to the housing, cables, or test probes. Do not use if damaged.
- **Voltage Limits:** Do not exceed the maximum voltage ratings specified for the device.
- **Personal Protective Equipment:** Always wear appropriate personal protective equipment (PPE), such as insulated gloves and safety glasses, when performing electrical measurements.
- **Live Circuits:** Assume all circuits are live until proven otherwise.
- **Battery Replacement:** Ensure the device is disconnected from all voltage sources before opening the battery compartment.

3. Product Overview

3.1 Components

The VOLTCRAFT VC-11889355 voltage tester consists of two main units connected by a flexible cable, along with interchangeable test probes.



Figure 1: Front view of the VOLTCRAFT VC-11889355 2-Pole Voltage Tester. This image shows the main unit with the LCD display, LED indicators for voltage ranges, and control buttons. The secondary probe is connected via a flexible cable.



Figure 2: Back view of the VOLTCRAFT VC-11889355 2-Pole Voltage Tester. This view displays the product label with safety ratings, certifications, and model information.



Figure 3: The VOLTCRAFT VC-11889355 2-Pole Voltage Tester shown with its included accessories, which typically include protective caps for the probes and batteries for operation.

4. Setup

4.1 Battery Installation

The device requires batteries for operation. Ensure correct polarity during installation.



Figure 4: Close-up view of the battery compartment on the VOLTCRAFT VC-11889355 tester, indicating where batteries are inserted and their correct orientation.

1. Ensure the tester is disconnected from all electrical circuits.
2. Locate the battery compartment cover, typically on the back or side of the main unit.
3. Use a suitable tool (e.g., a screwdriver) if necessary to open the cover.
4. Insert the required batteries (e.g., AAA batteries) according to the polarity markings (+/-) inside the compartment.
5. Securely close the battery compartment cover.

5. Operating Instructions

This section details the various measurement functions of the VOLTCRAFT VC-11889355 voltage tester.

5.1 Voltage Measurement (AC/DC)

- Connect both test probes to the circuit to be measured.
- The voltage will be indicated by bright LEDs in ranges from 12 V to 690 V.
- The precise effective value will be displayed on the LCD with backlight.

- The tester supports measurements up to 1000 V AC and 1200 V DC.

5.2 Continuity Test

- Ensure the circuit is de-energized before performing a continuity test.
- Connect the two test probes across the component or circuit path you wish to test.
- An audible signal and/or visual indication on the display will confirm continuity.

5.3 RCD (FI) Test Function

- This function allows testing of Residual Current Devices (RCDs).
- Follow specific instructions in the full manual for safe and effective RCD testing, as this typically involves applying a load to trip the RCD.

5.4 Single-Pole Phase Test

- To identify a live phase conductor, touch only one test probe (usually the L1 probe) to the conductor.
- The tester will indicate the presence of a phase voltage, typically through an LED or display symbol.

5.5 Phase Order Display

- For three-phase systems, this function helps determine the correct phase rotation.
- Connect the probes to the phases as indicated by the device. The display will show the phase order.

5.6 Resistance Measurement

- Ensure the circuit is de-energized before measuring resistance.
- Connect the test probes across the component whose resistance you wish to measure.
- The resistance value will be displayed on the LCD.

5.7 Integrated Measurement Point Illumination

- The tester includes a built-in light to illuminate the measurement point in dimly lit environments.
- Activate this feature using the designated button on the device.

5.8 Vibration Alarm

- In addition to audible and visual indicators, the device features a vibration alarm to alert the user to the presence of voltage, especially useful in noisy environments.

6. Maintenance

6.1 Cleaning

- Clean the device regularly with a dry, lint-free cloth.
- Do not use abrasive cleaners or solvents.

6.2 Battery Replacement

- Replace batteries when the low battery indicator appears on the display or if the device does not power on.
- Refer to Section 4.1 for battery installation instructions.
- Dispose of used batteries according to local regulations.

7. Troubleshooting

This section addresses common issues you might encounter with your voltage tester.

Problem	Possible Cause	Solution
Device does not power on or display is blank.	Dead or incorrectly installed batteries.	Check battery polarity and replace with fresh batteries.
Inaccurate or inconsistent readings.	Damaged test probes or cables; environmental interference; incorrect measurement technique.	Inspect probes and cables for damage. Ensure proper contact with the circuit. Review operating instructions.
Batteries drain quickly.	Continuous use of backlight or other power-intensive features; old batteries.	Minimize use of backlight when not necessary. Ensure device is turned off when not in use. Replace with high-quality batteries.
No continuity indication.	Open circuit; device malfunction.	Verify the circuit path is complete. If the problem persists, the device may require service.

8. Technical Specifications

Feature	Specification
Model Number	VC-11889355
Voltage Range (LED)	12 - 690 V
Voltage Range (LCD)	Up to 1000 V AC, 1200 V DC
Measurement Category	CAT III 1000 V, CAT IV 600 V
Display	LCD with backlight, LED indicators
Functions	Continuity test, FI test (RCD), Single-pole phase test, Phase order display, Resistance measurement, Integrated measurement point illumination, Vibration alarm
Standards	EN 61243-3:2010, VDE0682
Power Source	Battery Powered
Product Dimensions	3.94 x 7.87 x 12.2 inches
Item Weight	0.35 Kilograms (12.38 ounces)
Color	Black/White

9. Warranty and Support

For warranty information, technical support, or service inquiries regarding your VOLT CRAFT VC-11889355 2-Pole Voltage Tester, please refer to the documentation included with your purchase or contact VOLT CRAFT customer service directly. Contact details can typically be found on the manufacturer's official website or on the product packaging.

Related Documents - VC-11889355

 <ul style="list-style-type: none">② Bedienungsanleitung 5 in 1 MULTI-DMM 100-Jahr Best.-Nr. 320209② Fertigungsanleitung Multi-DMM MT-52 Best.-Nr. 320209② Anleitungen Multi-DMM MT-52 Best.-Nr. 320209② Elektronikanleitung Multi-DMM MT-52 Best.-Nr. 320209 <p>Seite 2 - 36 Page 21 - 36 Page 37 - 38 Page 87 - 101</p> <p>CE</p>	<p><u>VOLTCRAFT MT-52 5-in-1 Digital Multimeter User Manual</u></p> <p>This document provides comprehensive operating instructions, safety guidelines, and technical specifications for the VOLTCRAFT MT-52 5-in-1 Digital Multimeter. Learn how to measure voltage, current, resistance, temperature, humidity, light, and sound levels.</p>
 <ul style="list-style-type: none">② Bedienungsanleitung VC292 Digital Multimeter Best.-Nr. 207002② Operating Instructions VC292 Digital Multimeter Best.-Nr. 207002② Mode d'emploi VC292 Multimètre Numérique N° de référence 207002② Gebrauchsanleitung VC292 Digital Multimeter Best.-Nr. 207002 <p>Seite 2 - 59 Page 57 - 110 Page 111 - 165 Page 166 - 219</p> <p>CE</p>	<p><u>VOLTCRAFT VC292 Digitalmultimeter Bedienungsanleitung und Technische Daten</u></p> <p>Umfassende Bedienungsanleitung für das VOLTCRAFT VC292 Digitalmultimeter und den Stromzangenwandler CLA60, inklusive Sicherheitshinweisen, Messanleitungen und technischen Spezifikationen.</p>
 <p>Digital Multimeters User Manual</p> <p>■ VC-7060BT ■ VC-7200BT</p>	<p><u>VOLTCRAFT Digital Multimeters VC-7060BT & VC-7200BT User Manual</u></p> <p>Comprehensive user manual for VOLTCRAFT VC-7060BT and VC-7200BT digital multimeters, covering safety, operation, functions, measurement tutorials, troubleshooting, and technical specifications.</p>
 <ul style="list-style-type: none">② Istruzioni per l'uso Multimetro digitale VC891 N° d'ordine 257006 <p>CE</p>	<p><u>VOLTCRAFT VC891 Multimetro Digitale: Istruzioni per l'uso e Specifiche Tecniche</u></p> <p>Manuale d'uso completo per il multimetro digitale VOLTCRAFT VC891. Include istruzioni dettagliate su utilizzo, misurazioni, funzioni aggiuntive, manutenzione e specifiche tecniche. Ideale per professionisti e hobbisti.</p>
 <ul style="list-style-type: none">② Bedienungsanleitung VC-BT300PRO VOLTCRAFT OBDII + Batterietester Best.-Nr. 334024② Operating Instructions VC-BT300PRO VOLTCRAFT OBDII + Battery Tester Item No. 334024② Mode d'emploi VC-BT300PRO VOLTCRAFT OBDII + Testeur de batterie N° de référence 334024② Gebrauchsanleitung VC-BT300PRO VOLTCRAFT OBDII + Batterietester Best.-Nr. 334024 <p>Seite 2 - 38 Page 73 - 108 Page 109 - 144</p> <p>CE</p>	<p><u>VOLTCRAFT VC-BT300PRO OBDII + Batterietester Bedienungsanleitung</u></p> <p>Umfassende Bedienungsanleitung für den VOLTCRAFT VC-BT300PRO, ein Diagnosewerkzeug für OBD-II und Batterietests. Enthält Funktionen, Sicherheitshinweise und technische Daten.</p>



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CE

[Voltcraft VC891 Digital Multimeter User Manual](#)

Comprehensive user manual for the Voltcraft VC891 digital multimeter, covering features, operation, safety, and technical specifications. Includes instructions for various measurement functions and troubleshooting.