

R5100

# REED INSTRUMENTS

## Non-Contact AC Voltage Detector



Instruction  
Manual



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## Introduction

Thank you for purchasing your REED R5100 Non-Contact AC Voltage Detector. Please read the following instructions carefully before using your instrument. By following the steps outlined in this manual your detector will provide years of reliable service.

## Product Quality

This product has been manufactured in an ISO9001 facility and has been calibrated during the manufacturing process to meet stated product specifications.

## Safety

- Never attempt to repair or modify your instrument. Dismantling your product, other than for the purpose of replacing batteries, may cause damage that will not be covered under the manufacturer's warranty. Servicing should only be provided by an authorized service center.
- Do not use if the meter appears damaged or isn't operating properly
- Do not apply more than the specified voltage
- Use caution with voltage above 30V AC
- Before each use, verify operation by testing a known working circuit that is within the rating of this unit
- Do not rely on this tester with shielded wire
- Operation may be affected by differences in socket design and type

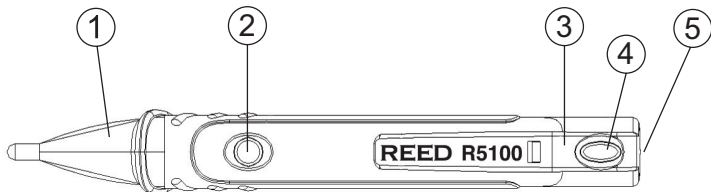
## Features

- Suitable for outlets or against insulated wire
- Built-in flashlight
- Double insulated housing for increased safety
- Audible (buzzer) and visual (LED) indicators when voltage present
- For use on 50/60Hz circuits
- Pocket clip
- Auto shut off
- CE and UL approved
- CAT. III 1000V, CAT. IV 600V safety ratings

## Specifications

Voltage Range:	50 to 1000V AC
Frequency Range:	50 to 60Hz
Built-in Flashlight:	Yes
Auto Power Off:	Yes (after 3 minutes)
Power Supply:	2 x AAA batteries
Overvoltage Category:	CAT. III 1000V, CAT. IV 600V
Product Certifications:	CE, UL
Operating Temperature:	32 to 104°F (0 to 40°C)
Operating Humidity:	0 to 85%
Storage Temperature:	14 to 122°F (-10 to 50°C)
Dimensions:	6.3 x 1 x 1" (159 x 25 x 25mm)
Weight:	1.5oz (42g)

## Instrument Description



1. Probe Tip
2. Voltage Detector Power Button
3. Battery Compartment
4. Flashlight Power Button
5. Flashlight

## Operating Instructions

1. Press the power button to turn the meter on.
2. The meter will beep and the probe tip will begin to flash indicating it has been turned on and is functioning properly.
3. To turn the meter off, press and hold the power button until you hear a beep and the tip stops flashing.

### *AC Voltage Measurement*

1. Place the probe tip near an AC voltage location.
2. The tip will produce a steady glow and a continuous beep indicating the presence of AC Voltage.

**IMPORTANT NOTE:** Receptacles in recessed sockets or differences in socket may result in false readings.

### *Auto Power Off*

1. After 3 minutes of inactivity the meter will automatically shut off
2. The meter will beep and stop flashing indicating it has turned off.

### *Flashlight*

Press the flashlight button to turn the flashlight on or off.

## Battery Replacement

When the battery gets low, the meter will stop flashing, even when turned on. You will need to replace the batteries.

1. Using a flathead screwdriver, slide open the battery compartment and remove the batteries.
2. Place new batteries in the meter, and re-secure the battery compartment cover.

## Product Care

To keep your instrument in good working order we recommend the following:

- Store your product in a clean, dry place.
- Change the battery as needed.
- If your instrument isn't being used for a period of one month or longer please remove the battery.
- Clean your product and accessories with biodegradable cleaner. Do not spray the cleaner directly on the instrument. Use on external parts only.

## Product Warranty

REED Instruments guarantees this instrument to be free of defects in material or workmanship for a period of one (1) year from date of shipment. During the warranty period, REED Instruments will repair or replace, at no charge, products or parts of a product that proves to be defective because of improper material or workmanship, under normal use and maintenance. REED Instruments total liability is limited to repair or replacement of the product. REED Instruments shall not be liable for damages to goods, property, or persons due to improper use or through attempts to utilize the instrument under conditions which exceed the designed capabilities. In order to begin the warranty service process, please contact us by phone at 1-877-849-2127 or by email at [info@reedinstruments.com](mailto:info@reedinstruments.com) to discuss the claim and determine the appropriate steps to process the warranty.

## Product Disposal and Recycling



Please follow local laws and regulations when disposing or recycling your instrument. Your product contains electronic components and must be disposed of separately from standard waste products.

## Product Support

If you have any questions on your product, please contact your authorized REED distributor or REED Instruments Customer Service by phone at 1-877-849-2127 or by email at [info@reedinstruments.com](mailto:info@reedinstruments.com).

Please visit [www.REEDINSTRUMENTS.com](http://www.REEDINSTRUMENTS.com) for the most up-to-date manuals, datasheets, product guides and software.

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