

**R5065**

# **REED**

## **INSTRUMENTS**

**3000A**  
**Flexible 18"**  
**Current**  
**Probe**



**Instruction**  
**Manual**

**REED Instruments**

1-877-849-2127 | [info@reedinstruments.com](mailto:info@reedinstruments.com) | [www.reedinstruments.com](http://www.reedinstruments.com)

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## Introduction

Thank you for purchasing your REED R5065 3000A Flexible 18" Current Probe. Please read the following instructions carefully before using your instrument. By following the steps outlined in this manual your meter 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. If a certificate of calibration is required please contact the nearest authorized REED distributor or authorized Service Center. Please note an additional fee for this service will apply.

## Safety

- Read and understand this user manual before operating the meter.
- 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.
- Improper use of this product can cause damage, shock, injury or death.
- Do not use the product if the rear cover or the battery cover is not properly secured into place.
- Do not touch bare cables, connectors, unoccupied input terminals or circuits being measured.
- Before measuring, the switch should be set to the correct range position. Do not switch positions while measuring.
- Do not use the device to measure current higher than the specified range. If the current value being measured is unknown, select the 3000A position and reduce accordingly.
- Do not use the clamp on any conductor with voltages higher than 1000V DC or 750V AC.









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- Remove the battery if the meter will be stored for an extended period of time.
- To avoid inaccurate readings, replace the battery if the "POWER" indicator light flashes.

## Electrical Symbols

Symbol	Description
	Equipment protected throughout by double insulation or reinforced insulation
	Earth (ground)
	Warning or Caution
	Alternating current
	Battery
	Caution, possibility of electric shock
	Complies with European Union Standards
	Conforms to UL STD 61010-1, 61010-2-032, 61010-031, Certified to CSA STD C22.2 No. 61010-1, 61010-2-032, 61010-2-031
CAT IV	It is applicable to test and measuring circuits connected at the source of the building's low-voltage mains installation

## Features

- Expands clamp meter measurement range to 3000A AC
- Flexible current probe provides access to large conductors in tight spaces
- Ergonomic design fits in your hand and can be used while wearing protective gloves
- Durable double molded plastic housing
- Cat. IV 600V safety rating

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## Included

- BNC Adapter
- Batteries

The included BNC adapter can be used to connect the flexible current sensor to read out on an oscilloscope. To avoid false readings, do not use low input impedance settings when using oscilloscopes as readouts.

## Specifications

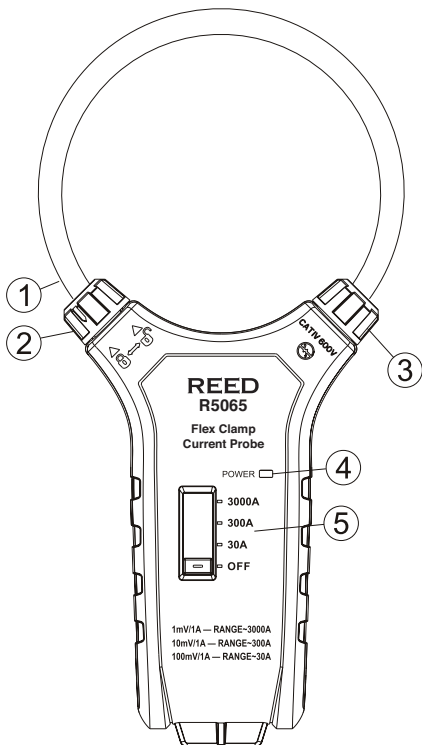
### AC Current

Range:	30, 300, 3000A
Accuracy:	AC: $\pm(3\% \text{ rdg. } +5 \text{ dgt.})$
Resolution:	0.1, 1, 10A

### General Specifications

Frequency Response:	45Hz to 500Hz
Power Supply:	3 x AAA batteries
Low Battery Indicator:	Yes
Jaw Opening:	18" (457.2mm)
Cable Length:	39" (991mm)
Overvoltage Category:	CAT. IV 600V
Product Certifications:	CE, ETL
Operating Temperature:	32 to 122°F (0 to 50°C)
Storage Temperature:	-4 to 140°F (-20 to 60°C)
Dimensions:	10.5x 4.7 x 1.3" (267 x 119.4 x 34 mm)
Weight:	9.2oz (260g)

# Instrument Description



- |                           |                                |
|---------------------------|--------------------------------|
| 1. Flexible Rogowski Coil | 4. Power Status Indicator      |
| 2. Flexible Clamp Lock    | 5. OFF/Current Selector Switch |
| 3. Fixed Clamp Nut        |                                |

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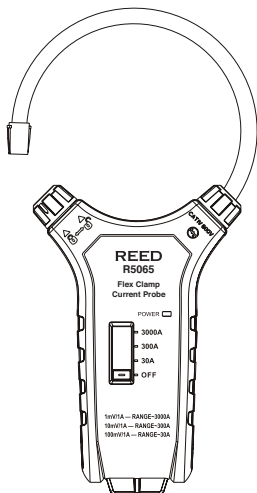
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# Operating Instructions

## AC Current Measurement

1. Insert the flexible current probe into the negative COM terminal and the red test lead into the positive V terminal of the meter.
2. Unlock the probe's flexible tubing as shown below to wrap it around the conductor under test.

**NOTE:** Make sure to close and lock it back into place before turning on the device under test.



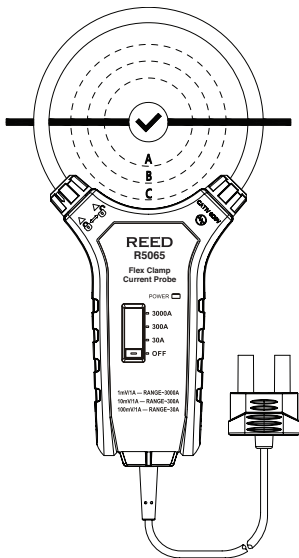
3. Keep the probe coupling more than 1" (2.5cm) away from the conductor.

**NOTE:** For optimal accuracy, center the conductor in the flexible current probe. If possible, avoid taking measurements close to other current-carrying conductors.

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4. Turn on the flexible probe by setting it to the required current range.
5. Set the rotary function switch of the meter to the DC current position.
6. Turn on the conductor/device under test.
7. The LCD will display the reading.



## Battery Replacement

1. Remove the Phillips screw on the back of the meter.
2. Open the battery compartment.
3. Replace the 3x AAA batteries.
4. Properly secure the cover and tighten the screw.

## Applications

- Industrial maintenance teams performing scheduled and preventative maintenance on electro-mechanical equipment and systems.
- Facilities, building maintenance and electricians looking to troubleshoot electrical equipment installation problems.

## Accessories and Replacement Parts

- **CA-52A** Small Soft Carrying Case

Don't see your part listed here? For a complete list of all accessories and replacement parts visit your product page on [www.reedinstruments.com](http://www.reedinstruments.com).

## 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 email at 1-877-849-2127 or [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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