

# Megger<sup>®</sup>



## Megger LA-KIT

### Lamp Adaptor Kit

User Guide

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For Patent information about this instrument refer to the following web site:  
[megger.com/patents](http://megger.com/patents)

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### **Declaration of Conformity**

Hereby, Megger Instruments Limited declares that radio equipment manufactured by Megger Instruments Limited described in this user guide is in compliance with Directive 2014/53/EU. Other equipment manufactured by Megger Instruments Limited described in this user guide is in compliance with Directives 2014/30/EU and 2014/35/EU where they apply.

The full text of Megger Instruments EU declarations of conformity are available at the following internet address:

[megger.com/company/about-us/eu-dofc](http://megger.com/company/about-us/eu-dofc)

## 1. Introduction

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This instruction manual contains information regarding the correct use and handling of the Megger LA-KIT Lamp Adaptors. Please ensure to consult the section “Safety warnings and standards” that contains information regarding your personal safety when using the product.

Read the ensuing safety regulations attentively before using this device.

### 1.1 Product description

The Megger LA-KIT provides the user with 5 separate lamp socket adaptors, to allow electrical test equipment to be connected to the circuit via industry standard 4 mm sockets, for measurement and test purposes, without the need to disturb the circuit wiring or lamp housing.

### 1.2 Product contents

- B22 Lamp Adaptor
- B14 Lamp adaptor
- E27 Lamp adaptor
- E14 Lamp adaptor
- GU10 Lamp adaptor
- 2 Wire lead set
- Protective carry case
- User guide

### 1.3 Company web site

Occasionally an information bulletin may be issued via the Megger web site. This may concern new accessories, new usage instructions or a software update. Please occasionally check on the Megger web site for anything applicable to your Megger instruments.

[www.megger.com](http://www.megger.com)

## 2. Safety Warnings and Standards

These safety warnings must be read and understood before the instrument is used. Retain for future reference. To ensure safe operation and service of the lamp adaptors, follow these instructions. Failure to observe warnings can result in severe INJURY or DEATH.

### 2.1 Warnings, Cautions and Notes

This user guide follows the internationally recognised definition. These instructions must be adhered to at all times.

#### Description

**WARNING** : Indicates a potentially dangerous situation which, if ignored, could lead to death, serious injury or health problems.

**ATTENTION** : Indicates a dangerous situation which, if ignored, could lead to injuries or health problems.

**CAUTION** : Indicates a situation which could lead to damage of the equipment or environment

**NOTE** : Indicates important instructions to be followed to perform the relevant process safely and efficiently.

### 2.2 Safety warnings

- The adaptors must be in good order, clean and dry, with no broken or cracked insulation. Verify the integrity of the adaptors and any test leads before use
- The adaptors MUST NOT be used if any part of it is damaged.
- DO NOT use in wet conditions.
- This product is not intrinsically safe. DO NOT use in an explosive atmosphere.
- Take precautions to ensure that terminals will not be short-circuited.
- Connect only suitably rated leads and test equipment to the adaptors..
- These adaptors are to provide measurement connections for test equipment only. They MUST NOT be used as a mains adaptor to provide power for other equipment
- DO NOT use the adaptors for mains load testing.
- DO NOT leave any adaptor connected to the lamp socket when testing is complete.
- The protection provided by the adaptors may be impaired if they are not used in a manner specified by the manufacturer.
- DO NOT dismantle the adaptors – there are no serviceable parts inside. Refer all servicing to Megger.
- Use caution with voltages above 30 Vac rms, 42 Vac peak, or 60 Vdc. These voltages pose a shock hazard.
- DO NOT USE the test leads if they appear damaged or the internal white insulation layer is exposed

## Safety Warnings and Standards

**ATTENTION : DO NOT USE the test leads in any environment above their maximum category rating**

### 2.2.1 Installation category definitions:

CAT IV - Measurement category IV: Equipment connected between the origin of the low-voltage mains supply and distribution panel.

CAT III - Measurement category III: Equipment connected between the distribution panel and electrical outlets.

CAT II - Measurement category II: Equipment connected between the electrical outlets and user's equipment.







Measurement equipment may be safely connected to circuits at the marked rating or lower. The connection rating is that of the lowest rated component in the measurement circuit.

**CAUTION : Phase and neutral (Red and Black) cannot be marked on the B22, B15 and GU10 adaptors due to geometry of these sockets. Phase and neutral can be identified by using a suitable tester.**

**NOTE :** The adaptors must only be used by suitable trained and competent persons

### 2.3 Safety, Hazard and Warning symbols on the instrument

This paragraph details the various safety and hazard icons on the instrument's outer case.

Icon	Description
	Caution: high voltage (ensure test leads are connected in the correct polarity: E27 and E14 only)
	UK conformity. This equipment complies with current UK legislation
	EU conformity. Equipment complies with current EU directives.
	Do not dispose of in the normal waste stream. Tester complies with the standard (2012/19/EU) WEEE
	Equipment protected throughout by double insulation
	Earth ground

### 3. Operation

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1. Isolate the supply to the circuit to be tested.
2. Remove the lamp from the socket
3. Select the appropriate lamp adaptor and insert into the socket
4. Phase and neutral are only identified on the E27 and E14 adaptors

**CAUTION : Phase and neutral (Red and Black) cannot be marked on the B22, B15 and GU10 adaptors due to geometry of these sockets. Phase and neutral can be identified by using a suitable tester.**

5. Connect the test leads to the test equipment being used BEFORE connecting to the lamp adaptor. Ensure phase and neutral connection is correct on the E27 and E14 adaptors.
6. Re-energise the circuit, if applicable and execute the test. De-energise the circuit once testing is complete.
7. Remove the test leads from the adaptor before the test equipment
8. Remove the adaptor from the socket
9. Replace the lamp
10. Turn the supply back on.

## Specifications

### 4. Specifications

Specification	Detail
Voltage range:	0 V – 253 V AC
Frequency range:	50/60 Hz
Maximum current:	2 A
Operating time:	Continuous
Single adaptor dimensions (Max):	80 mm x 42 mm x 34 mm
Single adaptor weight (Max):	32 g
Kit dimensions (inc. case):	190 mm x 100 mm x 75 mm
Kit weight (inc. case):	295 g

Environmental Specification	Detail
Operating temperature:	0°C to 40°C
Maximum humidity:	80% R.H.
Storage temperature:	-20°C to 70°C
IP Rating:	IP40
Maximum altitude:	2000 m
Pollution degree:	2

Safety Specification	Detail
Safety standards	IEC/EN 61010-1
Electromagnetic compatibility standards (EMC)	EN 61326-1:2013



## 5. Maintenance

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Do not attempt to repair the lamp adaptors. They are sealed units and have no user serviceable parts.

### 5.1 Cleaning

Disconnect the adaptors from any socket and remove all test leads before cleaning.

Wipe the surface on the adaptors with a damp cloth and mild detergent. DO NOT use abrasives or solvents.

Ensure the adaptors are dry and free of any moisture before use

## 6. Calibration, Repair and Warranty

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Megger operate fully traceable calibration and repair facilities to make sure your instrument continues to provide the high standard of performance and workmanship that is expected. These facilities are complemented by a worldwide network of approved repair and calibration companies, which offer excellent in-service care for your Megger products.

3 year warranty.

For service requirements for Megger instruments contact:

Megger Limited	OR	Megger
Archcliffe Road		Valley Forge Corporate Centre
Dover		2621 Van Buren Avenue
Kent		Norristown
CT17 9EN		PA 19403
U. K.		U. S. A.
Tel: +44 (0) 1304 502 243		Tel: +1 610 676 8579
Fax: +44 (0) 1304 207 342		Fax: +1 610 676 8625

### 6.1 Return procedure

**WARNING : Remove the battery cells before shipping.**

UK and USA Service Centres

1. When an instrument requires recalibration, or in the event of a repair being necessary, a Returns Authorisation (RA) number must first be obtained from one of the addresses shown above. The following information is to be provided to enable the Service Department to prepare in advance for receipt of your instrument and to provide the best possible service to you:
  - Model (for example, LA KIT).
  - Serial number (found on the display under settings, device information, or on the rear cover and by the batteries or on the calibration certificate).
  - Reason for return (for example, calibration required, or repair).
  - Details of the fault if the instrument is to be repaired.
2. Make a note of the RA number. A returns label can be emailed or faxed to you if required.
3. Pack the instrument carefully to prevent damage in transit.
4. Before the instrument is sent to Megger, freight paid, make sure that the returns label is attached or that the RA number is clearly marked on the outside of the package and on any correspondence. Copies of the original purchase invoice and packing note should be sent simultaneously by airmail to expedite clearance through customs. In the case of instruments which require repair outside the warranty period, an immediate quotation can be provided when obtaining the RA number.
5. Track the progress on line at [www.megger.com](http://www.megger.com).

## 7. Decommissioning

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### 7.1 WEEE Directive



The crossed out wheeled bin symbol placed on Megger products is a reminder not to dispose of the product at the end of its life with general waste.

Megger is registered in the UK as a Producer of Electrical and Electronic Equipment. The Registration No is WEE/ HE0146QT.

For further information about disposal of the product consult your local Megger company or distributor or visit your local Megger website.

### 7.2 Battery disposal

The crossed out wheeled bin symbol placed on a battery is a reminder not to dispose of batteries with general waste when they reach the end of their usable life.

For disposal of batteries in other parts of the EU contact your local Megger branch or distributor.

Megger is registered in the UK as a producer of batteries (registration No.: BPRN00142).

For further information see [www.megger.com](http://www.megger.com)

## Local Sales office

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