



## USER MANUAL TIS LAMP ADAPTOR KIT – VERSION 1.01

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### References marked on tester or in instruction manual:



Warning of a potential danger, comply with instruction manual.



Reference. Please pay utmost attention.



Caution! Dangerous voltage. Danger of electrical shock.



Continuous double or reinforced insulation complies with category II DIN EN 61140.



Conformity symbol, the instrument complies with the valid directives.

Complies with the EMC -Directive (2014/30/EU ).

Standard EN 61326-1 is fulfilled.

Complies with the Low Voltage Directive (2014/35/EU), standard EN 61010-1.



Tester complies with the standard (2012/19/EU) WEEE



Earth ground

### 1. Introduction / Product Package

The HDT lamp adapter is applicable adapter for conducting tests by trained people. It can be connected with 4mm safety test leads with a test and measuring instrument, e.g. installation testers.

After unpacking, check that the instrument is undamaged.

The product package comprises :

- 1 pc adapter E27
- 1 pc adapter E14
- 1 pc adapter B22
- 1 pc adapter B14
- 1 pc adapter GU10
- Carrying case
- User manual

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## 2. Preparation for tests

1. Select the suitable adapter for the light socket to be tested
2. Isolate the circuit / socket
3. Remove the lamp
4. Insert the adapter into the light socket
5. Phase and neutral are marked at adapters E27 and E14
6. Phase and neutral cannot be marked for adapters B22, B15 and GU10 due to geometry of these sockets. Phase and neutral can be detected by using a suitable tester (like a two-pole voltage tester).
7. Connect test leads first on the test instrument, then to the adapter. Make sure that connection of Phase and neutral is correct (if required).
8. Execute the relevant measurement(s).
9. Repeat step 2 before disconnecting the adaptor.

## 3. Technical data

- Voltage range: 102 – 253V AC
- Frequency range: 50/60Hz
- Maximum current: 2A
- Operating time: Continuous
- Temperature: 0°C...40°C operation; -20...70°C storage.
- Humidity: Max 80% RH
- Altitude up to 2000m
- Overvoltage CAT.II 300V
- Standard EN 61010-1
- Pollution degree 2
- Protection: IP 40

## 4. Cleaning and storage

- △ Tester does not need any special maintenance if used according to user manual.
- △ Remove tester from all test points before cleaning.
- △ Use a lightly damp cloth with neutral detergent for cleaning the instrument. Do not use abrasives or solvents.
- △ Do not expose the instrument to direct sun light, high temperature and humidity or dewfall.



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### Warning

#### Prevent danger of electric shock and other dangers:

- ⚠ The testers have been constructed and tested in accordance with the appropriate safety regulations and have left the factory in a safe and perfect condition.
  - ⚠ The operating instructions contain information and references required for safe operation and use of the adapters. Before using the adapter, read the operating instructions carefully and follow them in all respects. Otherwise protection may be impaired.
  - ⚠ To avoid an electric shock, observe the precautions when working with voltages exceeding 120 V (60 V) DC or 50 V (25 V) eff AC. In accordance with DIN VDE these values represent the threshold contact voltages (values in brackets refer to limited ranges, e.g. in agricultural areas).
  - ⚠ Before using the tester, ensure that the device is in perfect working order. Look out e.g. for broken housing.
  - ⚠ The tester may be used only within the specified measurement ranges and in low-voltage installations up to 300 V.
  - ⚠ The tester may be used only in the measuring circuit category it has been designed for.
  - ⚠ It is not permitted to use the tester during rain or precipitation.
  - ⚠ Before and after use, always check that the adapter is in perfect working order (e.g. on a known voltage source).
  - ⚠ If the safety of the user cannot be guaranteed, the adapter must not be used anymore
  - ⚠ Safety is no longer guaranteed e.g. in the following cases:
    - obvious damage
    - broken housing, cracks in housing
    - stored for too long in unfavorable conditions
    - damaged during transport
  - ⚠ Tester must be operated by trained users only
  - ⚠ Never use the tester in explosive environment
  - ⚠ The tester must not be used with any of the parts removed
  - ⚠ The tester may be opened by an authorized service technician only.
  - ⚠ The adapters must not be used to connect other devices to mains voltage. They are only designed for testing purposes.
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