

Tutorial Panels Uno **Volta**

UV-103

Tutorial Panel for Connecting Light Sources with Halogen Bulbs

This UV-103 tutorial panel directly links to UV-101 and UV-102 panels. This panel is primarily determined for experiments with dichroic halogen bulbs. Students can test the effect of the length and cross-section of the supply wires to the light bulbs, both at the power supply input and at the output. It is also possible to verify the circuit properties when using a standard transformer and a switching power supply. All these features can be tested also in a combination with dimmer. This panel is supplied with 230 V / 50 Hz voltage from the power supply.



Parts used:

Dimmer, rotary design with switch

Dichroic halogen bulb, 12V / 20W

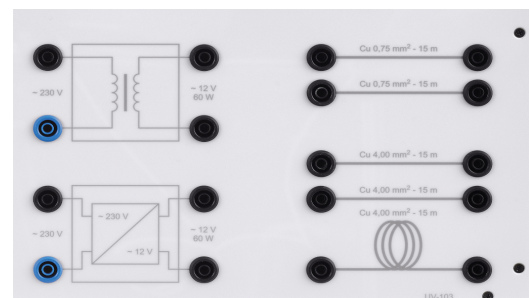
Coiled transformer, 230 / 12V 60W

Electronic transformer, 230 / 12V 60W

Conductor with the cross cut of 0.75 mm², length 15m (2x)

Conductor with the cross cut of 4.0 mm², length 15m (2x)

Conductor with the cross cut of 4.0 mm², length 15 m, forming coil



Examples of connection

- Connecting of a halogen dichroic bulb via a dimmer
- Connection of a halogen dichroic bulb with a classic transformer
- Connection of a halogen dichroic bulb with a switching power supply
- Comparison of circuit properties with various power supplies
- Comparison of the impact of various cross-cuts and cable lengths on losses occurred while bulbs are power supplied
- Determination of an influence of inductive wiring to the bulb supply
- Option to combine the panel parts with UV-100 up to UV-102 tutorial panels

Accessories:

- Power cord
- Operating Instructions

Optional accessories

- Security patch cords
- Protective bag
- Task book

Contacts

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