

TRANSPORT OF ELECTRICAL ENERGY

Reference : RESBOARD



Transport of electrical energy **Study of the resistance of a conductor** **Measuring the resistance of a wire** **Transport and storage of energy**

This device is composed of a heat resistant metal stand on which are fixed 9 conductive wires 50cm in length connected to banana safety sockets.

Four pairs of wires of identical diameter but of different natures make it possible to study the influence of the nature of the conductor or the length of the wire on the value of the electrical resistance.

A ninth wire of different diameter shows you the influence of the section of the wire on the value of the resistance.

Technical characteristics:

- Metal stand 60 x 23 cm
- Ø 4 mm safety banana sockets
- 2 copper wires Ø 0.5 mm x length 50 cm
- 2 iron wires Ø 0.5 mm x length 50 cm
- 2 nickel-chrome wires Ø 0.5 mm x length 50 cm

- 2 constantan wires \varnothing 0.5 mm x length 50 cm
- 1 nickel-chrome wire \varnothing 1 mm x length 50 cm