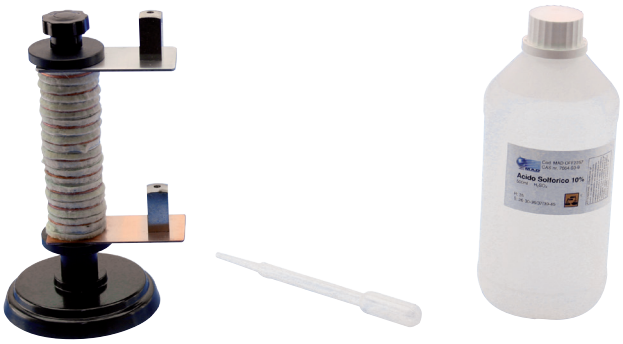
Volta's battery, column type 5124

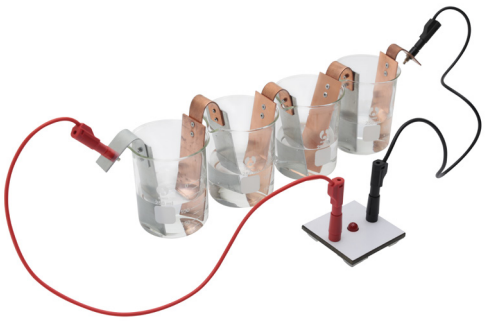
It is made of copper and zinc parts, separated by felt disks soaked in an acid solution. It is supplied with a bottle of acid solution.

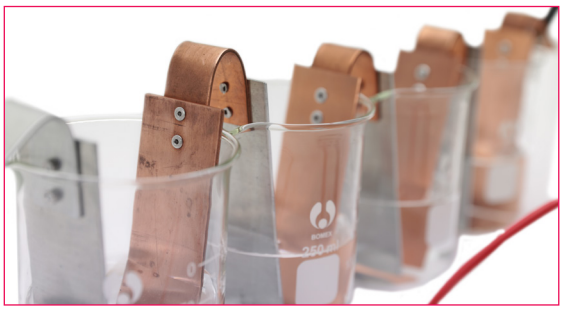


5124

Volta's battery, cups type 5167

It is composed of 4 voltmeters in series. It is supplied with copper and zinc electrodes, acid solution, cables and an LED assembled on a panel.





5167

Apparatus for the electrical conductivity of liquids 5113

Comprised of 4 bulbs in parallel. The electrolytic liquids must be poured into the four glasses, in which the electrodes are immersed. With this simple device, the electrolyte solutions can be recognised and the variation of conductivity as a function of the concentration can be studied.

5113

Human battery 5287

Placing your hand on two of the four metal plates (zinc, lead, aluminium and copper), you create a potential difference between the plates because of the electrical conduction properties of the human body. This potential difference can be measured through the use of a millimetric voltmeter (not included)
Trying all possible combinations between metals, it is possible to guess the existence of the electrochemical series.
Plates dimensions: 15x23 cm.
Board dimensions: 23x65 cm.

5287

Electrolytic cell 5415

Topics

- Electrical conductivity in liquids
- Volta's battery
- Electricity accumulator
- Electroplating

Equipment supplied

1 Base for electrolytic cell
2 Supports for electrolytes
2 Coal electrodes
2 Copper electrodes
2 Zinc electrodes
2 Lead electrodes
1 Brass electrode
1 Sulphuric acid bottle, 10% solution
1 Bottle of copper sulphate's solution
1 Glass beaker
3 Electrical leads

Equipment required not supplied

1 Battery holder
4 1,5V Battery
1 Digital multimeter

5415

Replacements for electrolytic cell

All electrodes kit for cod. 5415	**5415.1**
Brass electrodes (couple)	**5043.1**
Lead electrodes (couple)	**5043.2**
Copper and zinc electrodes (couple)	**5043.3**

5415.1 - 5043.1 - 5043.2 - 5043.3

Hofmann's voltameters

With graduated tubes and their metal stands. Height: 70 cm. Power supply unit (suggested code 4991) and connecting wires requested.

With carbon electrodes 5102

With platinum electrodes 5103

Replacements for Hofmann's voltmeter

Glass part only **5102.1**

Carbon electrodes (couple) **5165**

Platinum electrodes (couple) **5166**

5102 - 5103 - 5102.1 - 5165 - 5166