



# switches, batteries, lamp sockets - magnetic

## Magnetic "compact" module system (MBC)

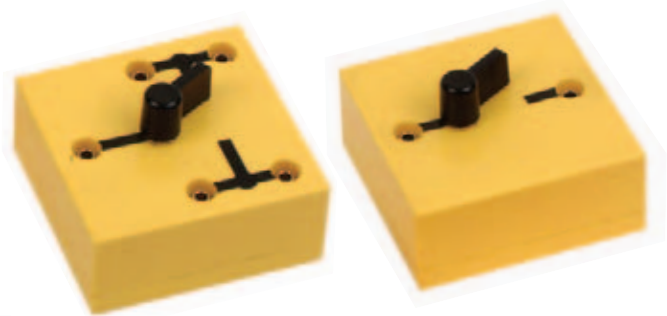


Yellow ABS plastic case with black labelling and 4-mm safety jacks; four strong neodymium magnets are inset in the transparent base for mounting the device magnetically on metal panels; max. 42 V  
Dimensions: 84x84x39 mm



**P3710-2A MBC Lamp socket E 10, 2 jacks**  
Socket for E 10 light bulbs, two 4-mm safety jacks

**P3710-2B MBC Lamp socket E 10, 6 jacks**  
Socket for E 10 light bulbs, six 4-mm safety jacks



**P3710-2R MBC On-Off switch**  
On-Off switch with black plastic switch lever

**P3710-2T MBC Double-throw switch**  
Double-throw switch with black plastic switch lever



**MB201-2B MBC Battery, variable, 4.5V**  
Power supply component equipped with 3 x 1.5 V AA rechargeable batteries; switch for selecting 1.5, 3 or 4.5 V; ON-OFF toggle switch; six 4-mm safety sockets for connections to the voltage selected

**MB201-4B MBC Battery, 6V**  
Power supply component equipped with four 1.5-V rechargeable cells, type AA; two 4-mm safety jacks for connecting to the 6-V fixed-voltage source



**Experiment:** Double-throw switch ("compact" system) - magnetic panel assembly

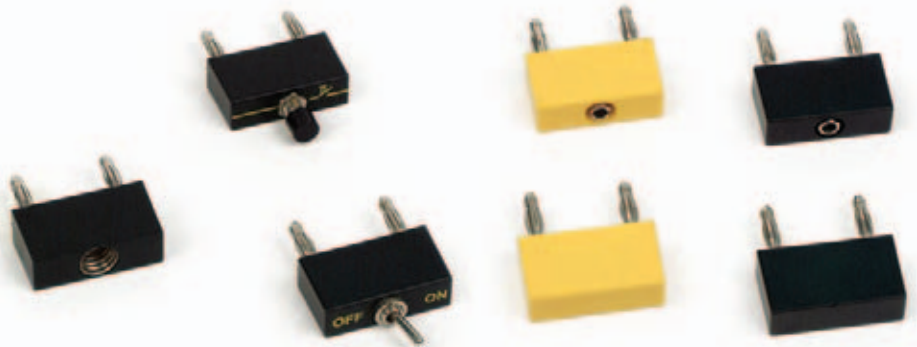
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**P3122-1B Rechargeable batteries, 1.5 V/1500 mAh, AA-size, set of 4**

**P3122-2L Charger for P3122-1B batteries**

For charging up to four 1.5 V/1500 mAh rechargeable batteries (P3122-1B)  
Voltage source: 230V AC/50 ...60Hz



**P3713-3P Toggle switch, "cs"**

ON-OFF switch mounted on a black plastic base with two four 4-mm plugs  
Plugs 25 mm apart  
Dimensions: 36x12x20 mm

**P3713-4P Push button, "cs"**

Push button switch for closing circuits, mounted on a black plastic base with two four 4-mm plugs  
Plugs 25 mm apart  
Dimensions: 36x12x20 mm

**P3712-2E Light bulb socket E10, "cs"**

Socket for E10 light bulbs mounted on a black plastic base with two four 4-mm plugs  
Plugs 25 mm apart  
Dimensions: 36x12x20 mm

**P3712-1S Jumper plugs "compact", black**

Used to electrically connect two magnetic components of the "compact" system (MBC) or the "inno" system (MBI); black plastic handle and two 4-mm plugs connected electrically  
Plugs 25 mm apart; dimensions: 36x12x20 mm

**DG500-5A Jumper plugs MBC, yellow**

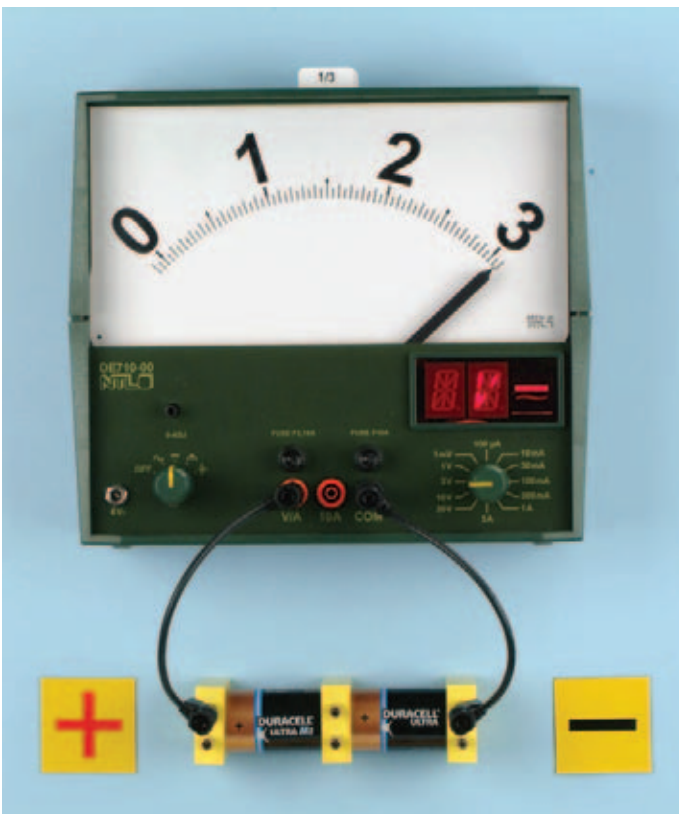
Design as in P3712-1S, but with a yellow plastic handle

**P3712-2S Jumper plug with connector terminal, "compact", black**

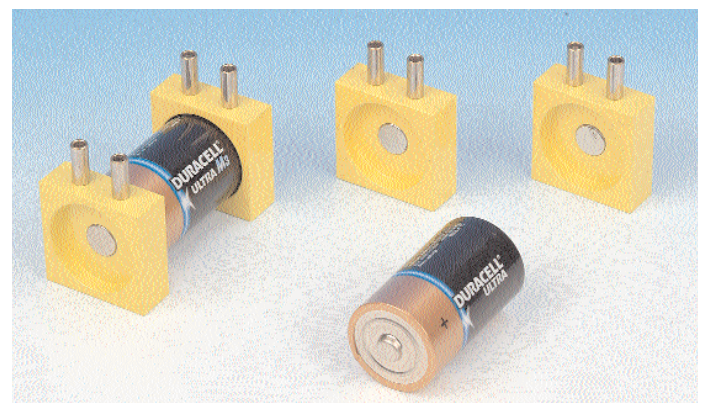
Used to electrically connect two magnetic components of the "compact" system (MBC) or the "inno" system (MBI); two electrically connected 4-mm plugs in a black plastic handle with a 4-mm socket, for connecting leads (including safety leads) with 4-mm plugs  
Plugs 25 mm apart; dimensions: 36x12x20 mm

**DG500-5G Jumper plug with connector terminal, MBC, yellow**

Design as in P3712-2S, but with yellow plastic handle



**Experiment:** Batteries connected in series - magnetic panel assembly



**DP911-2A Connector terminals, pair**

Two aluminium holders for magnetic mounting by means of strong, built-in neodymium magnets; used for connecting a 1.5-volt D-size battery using wires with 4-mm plugs  
Dimensions: 40x40 mm



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## Magnetic "inno" module system (MBI)



Green ABS plastic case with yellow labelling and yellow, 4-mm safety jacks; four strong neodymium magnets are inset in the partially transparent base for mounting the device magnetically on metal panels; max. 42 V  
Dimensions: approx. 160x120x45 mm



Experiment: Two-way circuit ("inno" system) - magnetic panel assembly

### DE720-2A Light bulb socket, E10, "inno"

Socket for light bulbs with E10 base

### DE720-2R On-Off switch, "inno"

Switch with yellow plastic switch lever

### DE720-2T Double-throw switch "inno"

Double-throw switch with yellow plastic switch lever



### DE720-1B Battery, 1.5 V, "inno"

Battery holder with 1.5-V D-size battery; battery may be clearly seen and replaced without opening the component's case

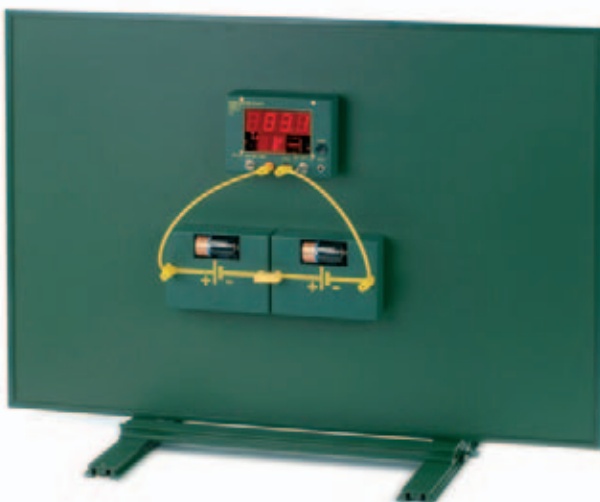
### P3120-1B Rechargeable battery, "inno", 6V/10 Ah

6 V DC output voltage; when doing high-current experiments (short-circuit current >30 A), the output circuit can be closed for a maximum of 3 seconds using a push button; LED display indicating operating status

Weight: approx. 2.4 kg

### P3120-4B Battery, variable, "inno"

Four 1.5-volt D-size batteries, may be set to deliver 1.5, 3, 4.5 or 6 volts of fixed direct current; when doing high-current experiments, the 6-V output circuit can be closed briefly using a push button; ON-OFF switch, LED display indicating operating status



Experiment: Power sources connected in series ("inno" system) - magnetic panel assembly

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## DE712-1A Electricity - E1, "inno" basic set

consisting of:

- DE720-1B 2 Batteries, 1.5 V, "inno"
- P3120-1B 1 Rechargeable battery, "inno", 6V/10 Ah
- DE720-2R 1 On-Off switch, "inno"
- DE720-2A 2 Light bulb sockets, E10, "inno"
- DE720-2T 2 Double-throw switches "inno"
- P7810-1E 1 Box insert MBI
- P7806-1B 1 Storage box, large



## Light bulbs, E10 socket

- P3320-1A Light bulb, 1.5 V/40 mA, E10
- P3320-1B Light bulb, 2.5 V/0.2 A, E10
- P3320-4A Light bulb, 3.5 V/0.2 A, E10
- DE309-4A Light bulb, 4 V/40 mA, E10
- DE309-1S Light bulb, 4 V/40 mA, E10, set of 5
- DE309-2S Light bulb, 6 V/50 mA, E10, set of 5
- DE309-3S Light bulb, 6 V/0.5 A, E10, set of 5
- DE309-4S Light bulb, 6 V/1 A, E10, set of 5
- P3320-1I Light bulb, 10 V/50 mA, E10
- DE309-5S Light bulb, 12 V/100 mA, E10, set of 5
- DE309-6S Light bulb, 24 V/100 mA, E10, set of 5



## Tubular lamps

- P3320-2C Tubular lamp 12 V/10 W
- P3320-2D Tubular lamp 12 V/18 W



## Halogen lamps

- P3320-1R Halogen lamp, 12 V/20 W, for G4 socket
- P3320-1S Halogen lamp, 12V/50W, for G6.35 socket



## DE520-9B Tubular fluorescent lamp, demo

For demonstrating electrostatic charges; ignition voltage of approx. 90 V  
D=15 mm, L=approx. 90 mm

## Light bulbs, E14 and E27 sockets

- DE310-1B Light bulb, 6 V/5 A, E14
- DE310-1A Light bulb, 12 V/25 W, E14
- DE310-3A Light bulb, 230 V/40 W, E27
- DE310-3B Light bulb, 230 V/100 W, E27



## DE309-1A Storage container, transparent

Plastic container for storing small items such as light bulbs, fuses, lengths of wire etc.; with lid; 10 compartments  
Dimensions: 164x101x31 mm