

Student set Electricity / Electronics 1 with Building Blocks, TESS advanced Physics

Article no: 25264-88



Function and Applications

Basic set allowing the performance of 28 experiments about the following topics:

- Electric Circuits (8 Experiments)
- Electrical Resistance (8 Experiments)
- Electrical Work and Power (1 Experiment)
- Transformation of Energy (1 Experiment)
- Electrochemistry (6 Experiments)
- Safe Working with Electrical Energy (2 Experiments)
- Sensors (2 Experiments)

Benefits

- Complete equipment set: simple execution of the experiments
- The equipment is stored in a rugged, stackable and compact box, allowing quick control of completeness (foam insert)
- Experimenting literature for pupils and teachers available: minimal preparation time
- Matched with international curriculum: all topics are covered
- The circuits are assembled directly on student's desk and the safe electric contact is guaranteed by the use of a unique puzzle block system with corrosion-free gold plated contacts. No breadboard is required.
- Rugged -PUZZLE- blocks featuring contrasted screen-printed electric symbol on top
- Easy teaching and efficient learning through the digital experiment descriptions enclosed as QR codes

Equipment and Technical Data

- The equipment set consists of all necessary components for the experiments
- Robust, stackable storage box with a foam insert fitting to the contained equipment

Scope of delivery

Straight connector module, SB	05601-01	4
Angled connector module, SB	05601-02	4
T-shaped connector module, SB	05601-03	2
Interrupted connector module with sockets, SB	05601-04	2
Junction module, SB	05601-10	2
Straight connector module with socket, SB	05601-11	2
Angled connector module with socket, SB	05601-12	2

On-off switch module, SB	05602-01	2
Change-over switch module, SB	05602-02	2
Socket module for incandescent lamp E10, SB	05604-00	2
Battery holder module (C type), SB	05605-00	2
Resistor module 50 Ohm, SB	05612-50	1
Resistor module 100 Ohm, SB	05613-10	1
Resistor module 10 kOhm, SB	05615-10	1
Resistor module 47 kOhm, SB	05615-47	1
Potentiometer module 250 Ohm, SB	05623-25	1
NTC-resistor module, SB	05630-01	1
PTC-resistor module, SB	05631-00	1
Bell gong on 4-mm-plug	05673-02	1
Model person for electrical safety	05680-01	1
Bimetal strip	05913-00	1
Conductors/non-conductors, l = 150 mm	06107-15	1
Alligator clips, bare, 10 pcs	07274-03	1
Connecting plug, 2 pcs.	07278-05	1
Connecting cable, 32 A, red, various lengths	07360-01	2
Connecting cable, 32 A, blue, various lengths	07360-04	2
Connecting cable, 32 A, red, various lengths	07361-01	2
Connecting cable, 32 A, blue, various lengths	07361-04	2
Trough, grooved, w/o lid	34568-01	1
Metal electrodes, 76 x 40 mm, various metals	45212-00	2
Metal electrodes, 76 x 40 mm, various metals	45214-00	1
Metal electrodes, 76 x 40 mm, various metals	45215-00	2
Metal electrodes, 76 x 40 mm, various metals	45216-00	2

Necessary accessories

Student set Electrics /Electronics 1, necessary accessories for 1 group, TESS advanced Physics	13470-88
Student set Electrics / Electronics 1, consumables for 10 groups, TESS advanced Physics	13471-88

Recommended accessories

Handbuch Schülerversuche Elektrik/Elektronik Baustein-System 1 und 2, TESS advanced Physik, (in german)	01006-01
Carrying system for student experiment boxes	25200-00