

Student set Optics 2, TESS advanced Physics

Article no: 25277-88



Function and Applications

Supplementary equipment set for Basic set Optics 1 (1576-88). In addition to the experiment that can be done with the set Optics 1 it is possible to perform 30 experiments about the following topics:

- Propagation of light (7 Experiments)
- Mirrors (4 Experiments)
- Lenses (5 Experiments)
- Optical equipment (10 Experiments)
- Wave optics (4 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
- Through the use of a stable optical bench made of metal safe and exact experimental setups
- Simple teaching and efficient learning thanks to the digital experiment descriptions included as a QR code

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

Optical profile-bench for student experiments, l = 600 mm	08376-00	1
Ground glass screen,50x50x2 mm	08136-01	1
Polarising filter, 50 mm x 50mm	08613-00	2
Bottom with stem for light box	09802-20	1
Diaphragms, d 1, 2, 3, 5 mm	09815-00	1
Diaphragm with hole, d=20mm	09816-01	1
Diaphragm with slit	09816-02	1

Diaphragm with square	09816-03	1
Lens on slide mount, f=+50mm	09820-01	1
Lens on slide mount, f=+100mm	09820-02	1
Lens on slide mount, f= -50mm	09820-06	1
Concave/convex mirror with rod	09821-00	1
Slide mount for optical bench	09822-00	2
Mount with scale on slide mount	09823-00	1
Table with stem	09824-00	1
Model earth/moon	09825-00	1
Screen, white, 150x150 mm	09826-00	1
Grating, 80 lines/mm	09827-00	1
Diaphragm holder, attachable	11604-09	2
Object -L-, glass bead	11609-00	1
Slide -Emperor Maximilian-	82140-00	1
Lid for TESS box, plastic	15205-00	1
TESS box, plastics, high, 305 x 425 x 150 mm	15200-00	1

Necessary accessories

Student set Optics 1 including light box, TESS beginner Sciences	25276-88
TESS advanced Physics supplementary Set Colour mixing	13250-77
Student set Optics 1, necessary accessories for 1 group, TESS advanced Physics	13460-88
Student set Optics 1, consumables for 10 groups, TESS advanced Physics	13461-88
Student set Optics 2, consumables for 10 groups, TESS advanced Physics	13462-88

Recommended accessories

Carrying system for student experiment boxes	25200-00
Handbuch Schülerversuche Optik, TESS advanced Physik, (in german)	01164-01