

Student set Heat 2, TESS advanced Physics

Article no: 15275-88



Function and Applications

Supplementary equipment set for TESS Basic Set Heat 1 (25274-88). Together with the Basic set it is possible to perform 34 student experiments in total:

- Thermal equilibrium and temperature measurement (4 experiments)
- Thermal expansion (6 experiments)
- Heat transfer (6 experiments)
- Thermal energy (8 experiments)
- Change of state (7 experiments)
- Solutions (3 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
- 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

Necessary accessories

- TESS advanced Heat 2 necessary accessories for 1 group (13457-88)
- TESS advanced Heat 2 consumables for 10 groups (13458-88)
- TESS advanced Physics Basic Set Heat 1 (25274-88)

Optional accessories

- TESS advanced Physics manual Heat (01160-02)

Scope of delivery

Boss head	02043-00	1
Steel pellets, d = 2 mm, 120 g	03990-00	1
Collar for linear expansion	04231-55	1
Brass tube	04234-11	1
Iron tube	04234-12	1
Aluminium tube	04234-13	1
Rotating shaft with pointer	04236-01	1
Heat sensitive paper	04260-00	1
Metal bodies, set of 3	04406-00	1
Tube, plastic, d. 30mm, l. 500mm	04446-00	1
Beaker, aluminum, polished	05903-01	1
Beaker, black	05904-01	1
Aluminium rod,U-shaped	05910-00	1
Copper rod, U-shaped	05910-01	1
Copper rod, U-shape,d 3mm,w.175mm	05910-03	1
Copper rod, U-shape,d.5mm,w.120mm	05910-04	1
Bimetal strip	05913-00	1
Test tube, Duran®, various lengths	36304-01	1
Rubber stoppers, without bore, various diameters	39258-00	1
Rubber stopper 26/32, 1 hole 7 mm	39258-01	1
Connecting cable, 32 A, red, various lengths	07361-01	1
Lab thermometer,-10..+50C	38055-00	1
Constantan wire, 4 Ohm/m, d = 0.4 mm, l = 50 m	06102-00	1
Iron wire, d = 0.5 mm, l = 50 m	06105-00	1
TESS box, plastics, high, 305 x 425 x 150 mm	15200-01	1
Lid for TESS box, plastic	15205-01	1

Necessary accessories

TESS advanced Heat 2 necessary accessories for 1 group	13457-88
TESS advanced Heat 2 consumables for 10 groups	13458-88

Recommended accessories

Carrying system for student experiment boxes	25200-00
Student set Heat 1, TESS advanced Physics	25274-88
<hr/>	
Handbuch Schülerversuche Wärme, TESS advanced Physik, (in german)	01160-01