

Student set Heat 1, TESS advanced Physics

Article no: 25274-88



Function and Applications

Basic set allowing the performance of 21 experiments about the following topics:

- Thermal equilibrium and temperature measurement (3 experiments)
- Thermal expansion (4 experiments)
- Heat transfer (2 experiments)
- Thermal energy (4 experiments)
- Change of state (5 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 1 necessary accessories for 1 group (13455-88)
- TESS advanced Heat 1 consumables for 10 groups (13456-88)

Optional accessories

- TESS advanced Physics manual Heat (01160-02)
- TESS advanced Physics supplementary set Heat 2 (15275-88)

Scope of delivery

Support base, variable	02001-00	1
Stand rods, stainless steel, various sizes	02031-00	1
Boss head	02043-00	2
Fishing line, l. 5m	02089-01	1
Lid for student calorimeter	04404-01	1
Agitator rod	04404-10	1
Heating coil with sockets	04450-00	1
Glass tube holder with tape measure clamp	05961-00	1
Measuring tape, l = 2 m	09936-00	1
Wire gauze with ceramic, 160 x 160 mm	33287-01	1
Beaker, 100 ml, plastic (PP)	36011-01	1
Beakers, Boro, low form, various sizes	46055-00	1
Erlenmeyer flasks, Boro, wide neck, various sizes	46152-00	1
Graduated cylinders, plastic, various sizes	36629-01	1
Universal clamp	37715-00	1
Students thermometer, -10...+110°C, l = 230 mm	38005-10	1
Spoon, with spatula end, 180 mm, plastic	38833-00	1
Rubber stopper 26/32, 1 hole 7 mm	39258-01	1
Rubber stopper 26/32, 2 holes 7 mm	39258-02	1
Silicone tubing, various diameters	39296-00	2
Pipette with rubber bulb	64701-00	1
Felt sheet, 100 x 100 mm	04404-20	2
Connecting cable, 32 A, blue, various lengths	07361-04	2
Ring with boss head, i. d. = 10 cm	37701-01	1
Beakers, Boro, low form, various sizes	46054-00	1
Students thermometer, -10...+110°C, l = 180 mm	38005-02	1
Digital stopwatch, 24 h, 1/100 s and 1 s	24025-00	1
Thermometer, non-graduated	04256-00	1
Support rod 300 mm with thread M6	331590	2
Erlenmeyer flask, stopper bed, 100 mlSB 29	MAU-EK17082301	1

Necessary accessories

TESS advanced Heat 1 necessary accessories for 1 group	13455-88
TESS advanced Heat 1 consumables for 10 groups	13456-88

Recommended accessories

Carrying system for student experiment boxes	25200-00
Handbuch Schülerversuche Wärme, TESS advanced Physik, (in german)	01160-01