

### SPECIFICATION

The laboratory set «Molecular Physics and Thermodynamics» is intended for use in general secondary and higher educational establishments, laboratories and physics offices, the set is used by teacher and students in performing a demonstration experiment on a physical practice in the study of the sections of molecular physics and thermodynamics in accordance with the current curriculum Ministry of Education and Science of Ukraine on Physics.

Allows introducing students with the main provisions of the molecular-kinetic theory of the structure of matter, ways of changing the internal energy of the object, the nature of thermal phenomena. Developing students researching and experimental skills.

This set is used in the following laboratory work:

01. Investigation of one of the isoprocess
02. Determination of the coefficient of liquid surface tension )in two ways(
03. Temperature measurements using different thermometers
04. Study of thermal balance under conditions of mixing water of different temperature
05. Determination of the specific heat of a substance
06. Determination of the specific heat of ice melting
07. Determination of the heater efficiency
08. Calorimetric measurement method
09. Investigation peculiarities of the processes of changing the aggregate state of a substance
10. Determination of the modulus of substance elasticity

### FEATURES

- Sinker 2 pcs.
- Hook 1 pc.
- Plait of rubber 1 pc.
- Clamp 2 pcs.
- Coupling 1 pc.
- Bag with sodium salt 1 pc.
- Test tube 1 pc.
- Test tube with amorphous substance 1 pc.
- Tube with a crystalline substance 1 pc.
- Laboratory glass, capacity 100 ml 1 pc.
- Stem of the laboratory tripod 1 pc.
- Measuring tape 1 pc.
- Thermometer 1 pc.
- Basis for calorimetry 3 pc.
- Test tubes holder 1 pc.
- Capillary tube 1 pc.
- Anometric tube 1 pc.
- Evise for gas laws studying 1 pc.
- Bottle with drip lid 1 pc.
- Measuring laboratory cylinder with a spout 1 pc.
- Petri dish 1 pc.
- Calorimeter 1 pc.
- Electronic balance 1 pc.
- Burette (for determination of the coefficient of surface tension by the droplet method) 1 pc.
- Cylinders for gas laws studying of large and small diameter 1 pc.
- Storage box with bed (cradle) 1 pc.



Note: Specifications are subject to change.

**Tesca Technologies Pvt. Ltd.**

IT-2013, Ramchandrapura Industrial Area, Sitapura Extension,  
Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India,  
Tel: +91-141-2771791 / 2771792; Email: info@tesca.in, tesca.technologies@gmail.com  
Website: www.tesca.in