



## Thrust set

SCN-F001B

### Function

Intended for experimental study, laboratory of natural sciences and carrying out experiments in natural sciences on: Hydrostatics. Buoyancy, experimental proof. Determining by difference the buoyant force acting on a body submerged in a liquid. Archimedes principle, buoyancy and its relation to the volume and density of the displaced liquid. The principle of the impenetrability of matter. How to fix the volume difference. Measuring forces with the dynamometer. Calculating and determining the buoyant hydrostatic force characteristics. Determining the weight of the volume of liquid displaced. The ratio of buoyancy to weight to the volume of liquid displaced. Archimedes principle. Absolute density (specific mass) and relative density. The specific weight. The relationship between specific weight and absolute density. The relationship of buoyancy to volume, the density of the displaced liquid, and the acceleration due to gravity. The relationship of buoyancy to the volume and specific weight of the liquid displaced, etc.

### Knowledge areas

Physics - Math & Science Fundamentals - Compact Kits

### Level

High school - Elementary school

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