



Horizontal (Boyle-Mariotte) set, with analog pressure gauge EQ037E

Function

Intended for experimental study, chemistry laboratory, physics laboratory, carrying out chemistry experiments, carrying out chemistry experiments on: Study of gases and their transformations. Boyle, Robert. Mariotte, Edme. What does Boyle and Mariottes law say? Total pressure, absolute pressure. Acquiring data on the pressure and volume of the confined gas. Acquiring data to determine the initial volume V_0 of the gas sample. The value of local atmospheric pressure. Determining the initial volume V_0 of the confined gas sample. Varying the pressure and determining the new volume of the gas sample. Built data table. Constructing the graph of total pressure versus volume. Building a graph of total pressure versus inverse volume, etc.

Knowledge areas

Physics - Chemistry

Key Experiments

The isothermal transformation, Boyle-Mariotte's law, with sensor

