Horizontal slipway set, basic

SCN-F002F

Function

Intended for experimental study, physics laboratory and carrying out physics experiments on: Kinematics. The range, uncertainty, and impact velocity in a horizontal launch. Measuring range. The uncertainty of the range measurement. The parabolic movement of launch, composition of two rectilinear movements. Identifying the orientation of the velocity vector at the main points of the parabolic path. Calculating flight time. Determining the value of the vertical component of the final velocity, straight falling motion, MRUV. Determining the value of the velocity of uniform rectilinear motion, MRU. Determining the final velocity with which the projectile hits the ground.

Note: Data acquisition instrument is not included.

Knowledge areas

Physics

Level

Graduation - High school