



Looping, multi-chronometer and photoelectric barrier sensor

EQ316A

Function

Study of motion and trajectory, concept of centripetal force, particle dynamics, mechanics of rigid bodies, conservation of mechanical energy, measurements and calculation of energy on several points of a circumferential trajectory, energy losses, transformation of gravitational potential energy into kinetic energy, condition of imminence of contact between specimen/object and track, determination of speed of specimen/object through conservation of energy, moment of inertia, influence of minimum launching height on a loop, energy discussions for loops, loops on roller coasters.

Knowledge areas

Physics

Level

Graduation - Technical education - High school

