

CONVERSION OF POTENTIAL ENERGY - KINETIC ENERGY

Reference : NRJMECA



Exceptional quality

Energy Studies without data logging!

- Can be dismantled in 2 minutes for easy storage
- Easily-adjustable height
- Robust
- Possible studies:
- Conversion of potential energy into kinetic energy
- Reveals friction
- Braking distance
- Collision

Coupled with the digital photogate ref. BEESPI (not supplied), this device makes it possible to study the conversion of potential energy into kinetic energy as well as to experiment on collisions of objects of different masses. The comparison can be observed using balls of different types and masses. The height of the ramp can be adjusted from 0 to 30 cm in 5 cm steps, allowing you to vary the initial potential energy.

A stand allows you to position the digital photogate to accurately measure the speed of the ball at the

bottom of the ramp and therefore its kinetic energy. A graduated scale makes it possible to measure the displacement of the block of wood during the collision to compare the braking distances.

Technical characteristics:

- Rail: plastic, length 1 m, graduated in mm
- Balls: Steel, \varnothing 25 mm, 67 g
- Magnesium, \varnothing 24 mm, 19 g
- Wooden block (for the study of the braking distance): 16 x 100 x 40 mm, 28 g
- Dimensions: 910 x 90 x 50 mm (packed)
- 1800 x 90 x 385 mm (mounted)
- Mass: 1 kg