

Product Code . ILS-WAE-11721

Introductory Energy and Motion Lab

Description

Indian Lab Suppliers, Introductory Energy and Motion Lab lets them quickly get to the task of collecting and analyzing data. The ramp adjust to 10, 20, and 30-degree angles, so students can use the same equipment to explore velocity, acceleration, gravity, forces, friction, energy, and more.

They'll take careful measurements, calculate averages, and demonstrate that the car's acceleration changes when the ramp angle is changed.

Compact, battery-powered photogate is ready in one step.

The teacher-developed guide includes comprehensive velocity and acceleration labs that lets students inquire into t changes in a car's velocity as it accelerates down the ramp.

Use the new BeeSpi Advanced Self-Contained Photogate to measure to measure free fall speeds, cars, and projectile velocities.

Two parallel photogates detect, measure, and display speeds of any objects that pass through, from zero to 99.99 km/h.

The gap is 40mm x 30mm, large enough to accommodate standard Hot Wheels cars and other small objects.

Additional settings measure lap time and cumulative lap time, so you can use BeeSpi to precisely measure the period of a pendulum.




Since it uses dual photogates, speed can be found with the object's front edge! No length measurement is needed.

Try positioning BeeSpi sensors at different points on an inclined plane, and calculate energy transformation from potential to kinetic.

Requires two AAA batteries (not included). Single-button operation is a snap to learn, so your students will be collecting data in no time. Requires 2 AA batteries - Not included.

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