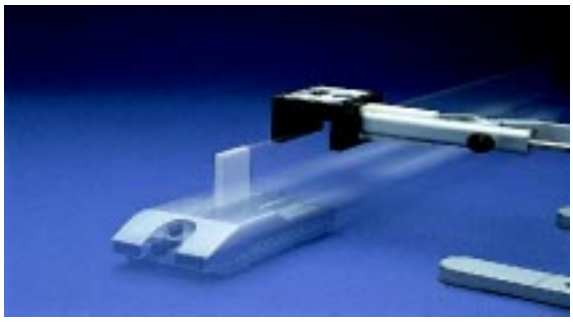
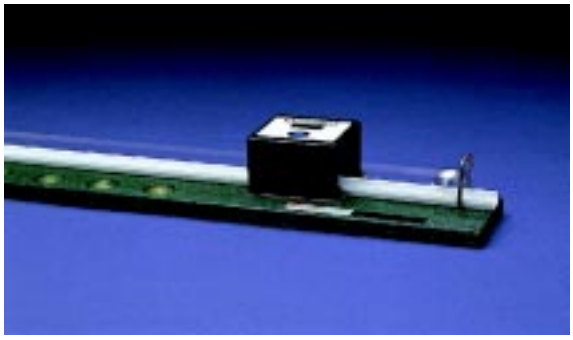
BeeSpi

N99-S77-1320 *$37*

The BeeSpi is designed to accurately measure the speed of small objects passing through the BeeSpi tunnel. This sensor equipped velocity measuring instrument is ideal for conducting experimental tests of speed and acceleration in the field of dynamics. With the simple touch of a button, students can obtain digitized measurement results. This fantastic instrument replaces the conventional method of using record timers.



Experiment with a Dynamic Cart



Velocity of Steel Ball Experiment

BeeSpi Track

SPECIFICATIONS

- Velocity: up to 99.99km/h
- Lap time: up to 99.99km/h
- Accumulated lap time: up to 99.99km/h
- Equipped with a clock
- Power supply: Two AAA batteries (sold separately)
- Dimensions: Approx. 60x60x50mm
- Weight: Approx. 55 grams (excluding batteries)

HOW DOES IT WORK?

The BeeSpi detects an object passing through two points about 40mm apart via built-in photo sensors and indicates the velocity of the object in digital form. Infrared sensors located in two spots on the inside walls of the unit detect the time when an object passes each spot. As a result, the velocity of the object, calculated from the difference in time, is indicated. In addition to velocity, the BeeSpi can measure lap time and acceleration (using 2 BeeSpi units). Other experiments include horizontal projection, gravitational acceleration, and simple pendulum.

ACCESSORY

BeeSpi TRACK

N99-C15-2452 *$145*

The track is used to experiment motion by observing an object rolling down an inclined slope. The angle of inclination is easily adjustable to the desired position. A steel and a porcelain ball are provided to experiment the difference between weights.

- The height is adjustable between 0 to 30cm in increments of 5cm.
- The rail is provided with a scale for direct reading of the distance of the wood block when moved by collision.
- Balls: one steel ball (25mm in diameter; approx. 67g), one porcelain ball (24mm in diameter; approx. 67g)
- Dimensions: 1800x90x385mm
- Rail: Made of Plastic (910mm long)
- Wood Block: 16x100x40mm