



Email : sales@laboratoryinstrumentindia.com

Product Name :
Target Set

Product Code :
LBNY-0004-780027



Description :

Target Set

Technical Specification :

Target set

The Shoot-the-Target Accessory, in combination with a projectile launcher, demonstrates that acceleration is constant for all objects in freefall, regardless of initial velocity. A target is initially suspended near the ceiling, and a projectile launcher is aimed directly at it. As soon as the projectile is shot from the launcher, the target is released. The projectile hits the target as it falls, proving that both objects accelerate downward at the same rate. Before it falls, the target is attached to the drop box by a permanent magnet so it can hang indefinitely, even when the drop box is not powered. A photogate detects the projectile as it leaves the launcher and triggers the drop box. The drop box releases the target by driving a current through a coil that cancels the field of the permanent magnet.

Include:

High impact target, size about 75x20cm

Photogate head with bracket

Drop box

Control box.

Laboratory Instrument India

