



Email : sales@laboratoryinstrumentindia.com

Product Name :
Centre Of Percussion

Product Code :
LBNY-0005-1400007



www.laboratoryinstrumentindia.com

Description :

Centre Of Percussion includes a metal pendulum to provide the percussion force and a wooden pendulum to absorb the impact. The wooden pendulum forms a suspended mass, similar to a bat held underhand. Centre Of Percussion fits to the sturdy Test Frame for study or demonstration. It is the impact position which allows no reaction in the hand of the user, which would otherwise create uncomfortable shocks in their arm and wrist. A centre of percussion may also be termed the sweet spot of the impact of a ball against a bat or racquet. This product is part of a range that explores free vibrations in simple one degree of freedom systems. It introduces students to key scientific terms such as:

Centre of gravity
Centre of percussion and the sweet spot
Simple harmonic motion and period of oscillation
Impact reactions
Radius of gyration.

Experiments:

Demonstration of centre of percussion of a compound pendulum
Centre of gravity, period of oscillation and radius of gyration of a compound pendulum

Technical Specification :

Nett dimensions and weight: 700 mm high x 200 mm wide x 115 mm front to back and 5 kg
Packed volume and weight: 0.05 m³ and 7 kg.



Laboratory Instrument India