

LINEAR AIR TRACK

A square section, light alloy tube 2m long with 50mm side is supported diagonally on adjustable feet. The tube is drilled near its apex on each side with 1mm holes at 20mm spacing. The ends of the tube are closed with plates carrying respectively a tubulure for connection to an air blower and sliding plate to provide adjustable air leakage to regulate the air pressure. The end plates also carry grooved rods to support rubber recoil bands, and drilled holes and tapped holes for accessory equipment; a small pulley is mounted at one end. Two heavy vehicles and one light vehicle are provided, with masses respectively of 150g and 75g approx. The vehicles have a support at each end to take buffers, rebound springs, catapults or other accessories, and drilled centrally to accommodate dowels or straws for photographic recording. The supports also accept opaque cards for use in photoelectric timing. Supplied complete with a selection of magnetic buffers, four catapults, one mounted pin, one plasticine socket, four black cards on dowel mounts and a supply of rubber bands. Complete with operating notes for experiments.

P15-8010 Linear Air Track

Accessories**PHOTOELECTRIC LIGHT GATE**

Comprises a photodiode and light source, in separate plastic mounts, suspended from an aluminium alloy rod. The distance between the light source and the photodiode is adjustable. In use the unit is mounted on a retort stand using a bosshead. Suitable for dynamic timing experiments with the Linear Air Track, Dynamics Trolleys or the 'g' by Free Fall experiment.

P15-8200 Photoelectric Light Gate

Spares

P56-9100 Bulb, lens end, 2.2V, 0.25A

AIR BLOWER

Mains operated electric air blower, ideal for use with linear air track. Supplied with mains cable, flexible air hose attachment and adapters.

P15-8310 Air Blower

Other Recommended Accessories

P40-2880 Xenon Stroboscope

P10-9200 Digital Time Recorder

P84-1400 DataLogger Interface

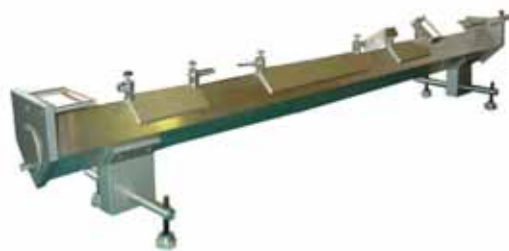
PHOTOGATE, U-shaped

A self-contained light source and photo detector mounted and aligned in a plastic U frame. Complete with 8mm diam. x 200mm long mounting rod which can be clamped in a bosshead enabling the photogate to be adjusted to any angle in any direction. Powered by 8-12V a.c. or d.c. power supply, or by mains adapter, via 4mm sockets on one side of the housing whilst on the other side there are 4mm sockets for connection of a clock or digital timer.

P15-8350 Photogate, U-shaped

Recommended Accessory

P15-8370 Multi-function Timer, designed specially to power and for use with the U-shaped Photogate (**P15-8350**) and also instruments that use a solenoid release system. or Digital Timers **P10-9200** or **P10-9250**



P15-8010



P15-8200



P15-8310



P15-8350



P15-8370