

PHYSICS - Translational motion

150 cm - Air Track	5588
190 cm - Air Track	5589
200 cm - Air Track	5590

Optika Air Tracks are made from the extrusion of a square aluminum tube. Each Air Track is provided with a side T-shaped aluminum profile on which photocell holders can slide. On this profile a graduated scale is mounted for a clear reading of the photocell positions.

It is an essential instrument thanks to which students are able to practice with Newton's second law, uniform motion, uniformly accelerated motion, conservation law and collisions.

Topics

- How to set up the systemUniform rectilinear motion
- Uniform rectilinear motion
 Uniformly accelerated rectilinear motion
- The fundamental law of dynamics
- I sistemi isolati
- Momentum conservation

- The principle of energy conservation
- Elastic collisions
- Elastic collisions between two gliders
 Elastic oscillations
- Free falling bodies (optional kit using product code 5455)

Equipment supplied

1 Track		
2 Gliders		
4 Cylindrical flags		
1 Couple of velcro bumpers		
1 Elastic bumper		
2 Spring bumpers		
4 Hookes for springs		
1 Set of slotted masses		
2 Photocells holer		
1 String		
4 slotting masses 20 g		
2 Springs		
Equipment required - not supplied		

Photocells	cod. 5453 (2pcs required)
Timer	cod. 5452
Air blower	cod. 5450
Electromagnet	cod. 5454









