

Discovery complete optical bench

Ref: 202203

Description:

Comprehensive set including a 600 mm graduated optical bench, allowing to perform about twenty elementary experiences to discover geometric optics. Manipulations example - Light propagation - Study of lenses: convergence / divergence, focal length - Colors study - Reflection: plane / parabolic mirror - Light refraction with a prism, refraction in water - Light dispersion - Diffraction by a slit - Eye model - Study of optical instruments: magnifying glass, microscope, telescope, projector



Content:

- 1 bench graduated in mm, 600 x 60 x 20 mm with adjustable support stands
- 1 x 20 W light source on support
- 6 riders
- 2 slide holders
- 3 lenses Ø 50 mm, bi-convex +50 mm, +100 mm, +200 mm mounted on final support
- 2 lenses Ø 50 mm, bi-concave -100 mm, -200 mm mounted on final support
- 1 metal mirror
- 1 slide 1 slit
- 1 slide 5 slits (1/3/1)
- 1 slide 4 holes
- 1 x slide no. 1
- 1 translucent screen
- 1 white screen
- 1 diffraction network mounted on a slide 50 x 50 mm
- 1 glass prism 3 x 60°
- 1 glass prism 90°/45°/45°
- 3 coloured fi Iters mounted on slide 50 x 50 mm
- 1 pair of linear polarising elements mounted on slide 50 x 50 mm
- 1 modelled eye
- 1 fl at heating candle
- 1 graduated disc
- 1 prism-carrier plate
- 6 plastic elements, thickness 8 mm (1 bi-convex lens, 1 plane convex lens, 1 plane concave lens, 1 semi-cylindrical lens \emptyset 25 mm, 1 prism 90°/45°/45°, 1 plate with parallel sides)
- 1 semi-cylindrical container
- 1 cylindrical container

Advantages / Strengths:

Light source included

20 experiments can be performed Simple and easy to store

Technical characteristics:

Practical themes Optics box

Type of product Optique