



DO110023

## DISCOPTIC & Laser suitcase

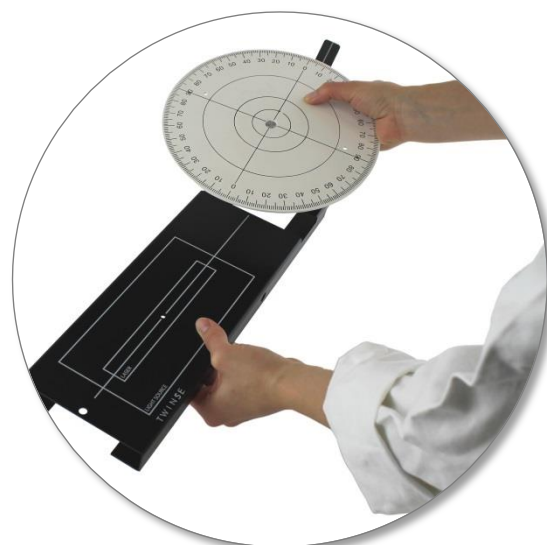
Kit to study reflection-refraction in a suitcase.

### School level

Senior high school.

### Technical features

- 1 graduated white disk Ø 230mm
- To clip on aluminium rail with serigraphy
- Magnetic soles under the rail
- 1 red TRIO laser with power supply
- 1 semi cylindrical lens Ø200 x 12 mm
- 1 semi cylindrical tank Ø200 x 20 mm transparent graduated
- 1 plane mirror 80 x 20 mm
- 1 rod Ø10 x 450 mm
- Suitcase with storage foams
- Dimensions: 515 x 415 x 135 mm
- Weight: 2.810 kg



*White disk to be clipped on aluminium rail*

### Product advantages

- The suitcase includes **storages for aluminium universal source and TRIO laser.**
- 3 possible uses: **horizontal on table, and vertical on magnetic boards or with the rod.**
- The kit enables to study reflection-refraction **without optics bench.**

### Examples of experiments

- Reflection/refraction
- Descartes' law
- Kepler's law
- Relation  $n_1 \sin i_1 = n_2 \sin i_2$
- Calculation of liquid refraction index

### Associated products

DISCOPTIC suitcase – **DO110022**

Aluminium universal source - **DO105034**

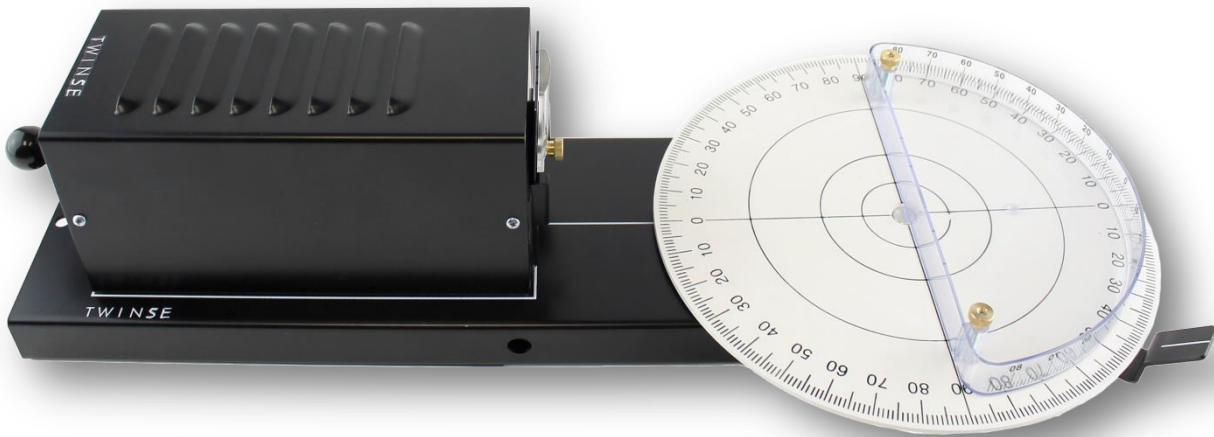
Red TRIO laser – **DO108015**

Semi cylindrical tank graduated - **DO110006**

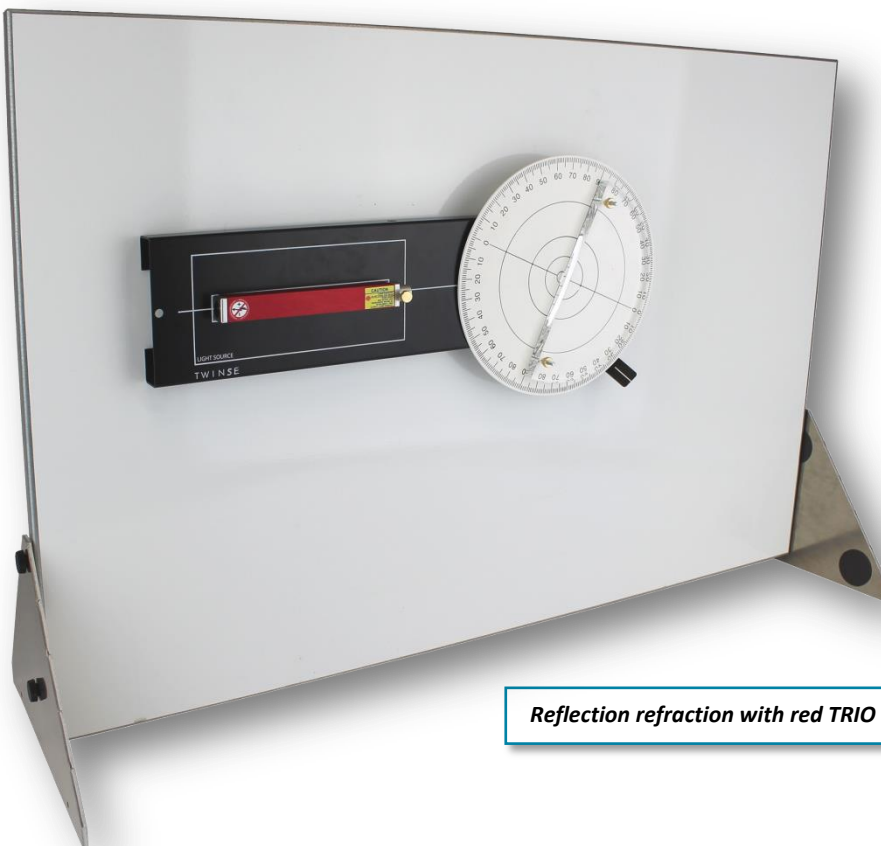
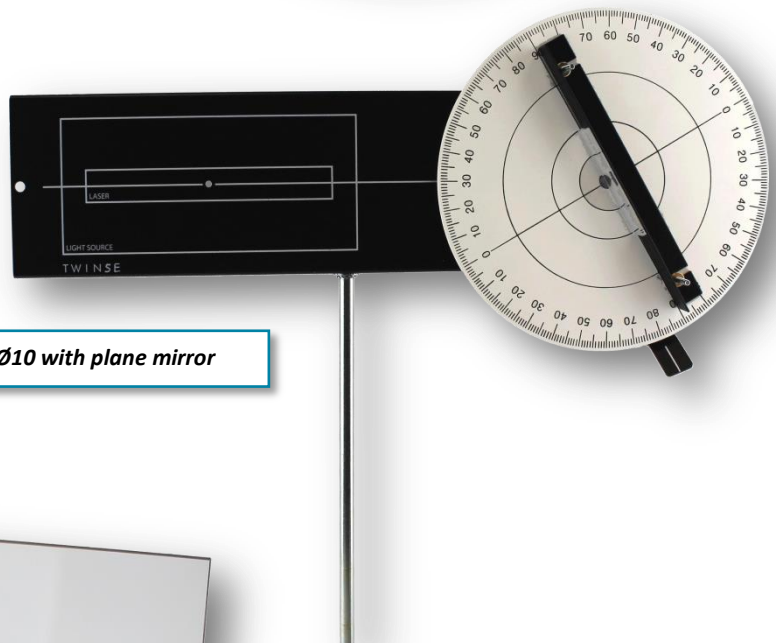
Semi cylindrical lens - **DO110011**

## EXPERIMENTS

*Reflection refraction with light source and semi-cylindrical tank*



*Reflection refraction on rod Ø10 with plane mirror*



*Reflection refraction with red TRIO laser and semi cylindrical lens on magnetic board*