

DO110005

## Kit reflection refraction

Kit to study reflection-refraction of a light beam.

### School level

Senior high school.

### Technical features

- 1 graduated disk Ø 230 on metallic support
- 1 semi cylindrical lens Ø 200 x 12 mm
- 1 semi cylindrical tank Ø 200 x 20 mm transparent graduated
- 1 plane mirror 80 x 20 mm
- 1 rod Ø 10 x 450 mm
- Dimensions: 570 x 230 x 45 mm
- Weight: 1.700 kg
- Packaging: individual box

### Product advantages

- The kit enables to study reflection-refraction **without optics bench**.
- Two possible uses: **horizontal and vertical with the rod**.
- The metallic support can receive magnetic accessories for a **better stability on the support**.

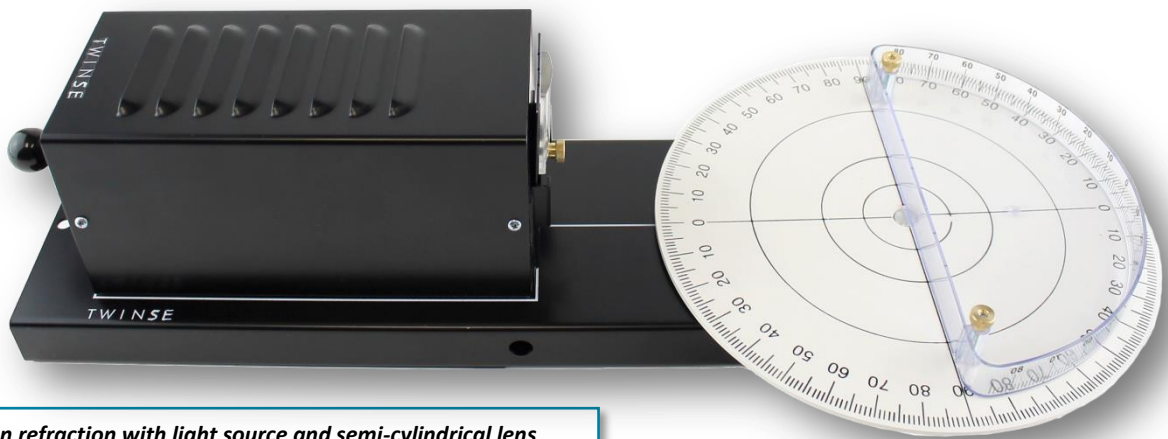
### Examples of experiments

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

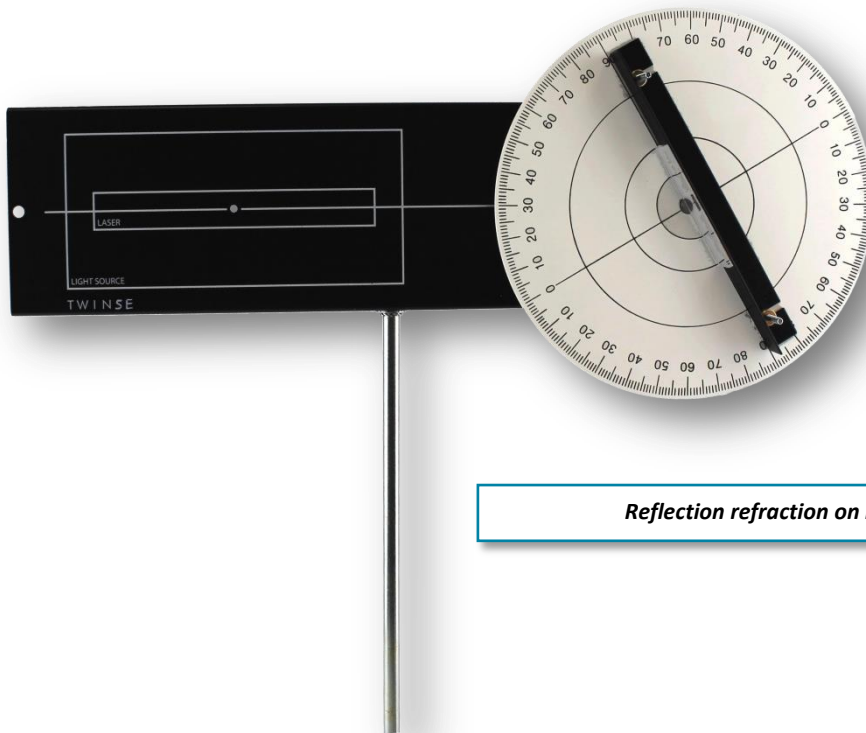
### Associated products

- Semi cylindrical tank graduated - **DO110006**
- Semi cylindrical lens - **DO110011**
- Universal light source - **DO105034**
- TRIO laser red (available in green or blue) - **DO108015**
- DISCOPTIC suitcase - **DO110022**

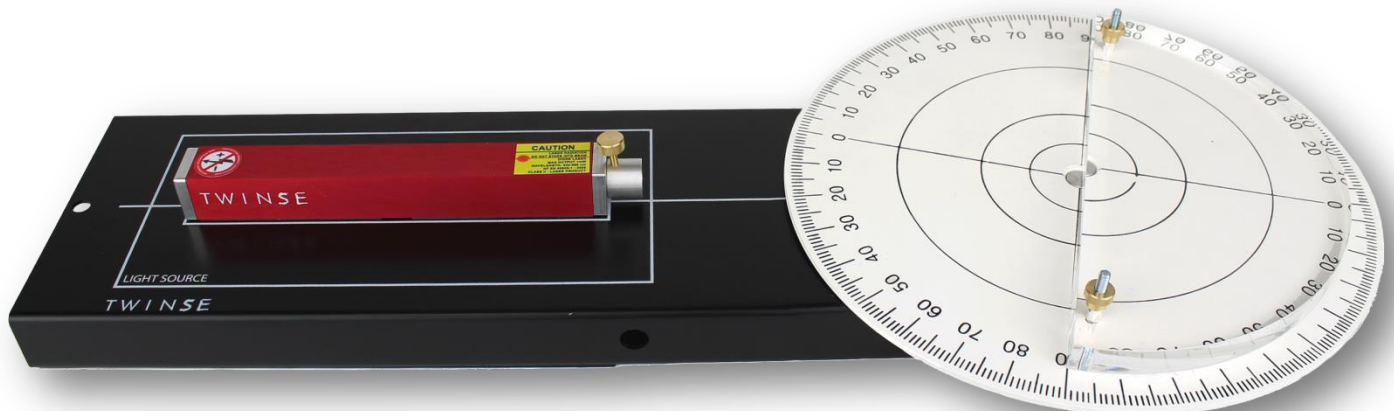
## EXPERIMENTS



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



*Reflection refraction on rod with plane mirror*



*Reflection refraction with TRIO laser*