

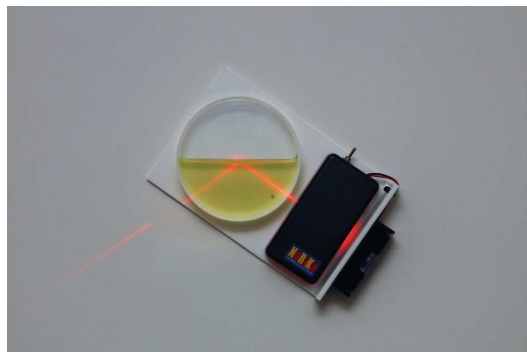
Narika product name:

Portable Refraction Tank with LED

Product Description:

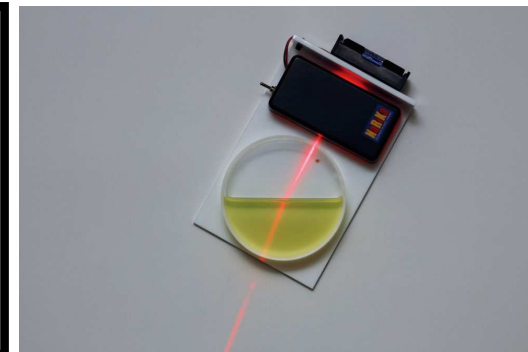
Portable apparatus for reflection & refraction
with built-in tank and LED light source

Catalog Number:
D20-1290-W0



Overall advantages to users:

- Easy to observe light (waves) reflection and refraction at a boundary between two materials (air and water).



Benefits to users:

- To all users:
 - Possible to emit a linear ray well-defined enough even in a classroom of normal illumination level because of the built-in high-brightness red LED and the tank with colored water inside.
- To teachers:
 - Portable because dry cell battery is the power source.
 - Students' safety is secured because LED is used for the light source that is much less harmful for eyes than laser.
 - Easy to manage students' activities because experiments can be carried in a classroom of normal illumination level (with lights on).
- To students:
 - Suitable for students' experiment because of its tank size ($\phi 90\text{mm}$).
 - Refraction tank is equipped with rubber magnets on the back side to be fitted on a whiteboard, therefore, students can make their own presentation using the tank on the whiteboard.
 - Ray unit is on the same board of the tank, so student can tilt the tank to observe light refraction and reflection appears inside.

Keywords:

- Optical experiments
- Light reflection and refraction

Specifications

- Whole size: $170 \times 100 \times 35\text{mm}$
- Tank size: $\phi 90 \times 20\text{mm}$
- Material: Body-acrylic, Tank-transparent acrylic
- Magnets: 4 on the back side
- Light source: Liner LED (High brightness red color)
- Power supply: AA batteries (x2) (sold separatory)
- Accessories: Scale plates (two types, for angle x1, for refractive index x1)