

Laser Refraction Tank

P2-7095

BACKGROUND:

Part I

This self-contained unit can clearly and vividly demonstrate refraction, reflection and total reflection as well as define the critical angles of two different materials. Students can measure as well as study refraction of light. The angle of incident and refractive rays are easily seen with the help of a built-in laser as its light sources. The laser revolves around the circular graduated scale and can be set at any point. Students can easily observe light rays as they travel from air into water, water into air, and water into water.

Part II

Refraction and reflection experiments in a solid medium can be studied with a variety of optical elements provided. The Dial Face and laser unit can be removed from the tank and positioned horizontally on a table. Multiple parallel laser beams are available in refraction and reflection experiments.

KIT CONTENTS:

The unit includes one laser tank (trough), base, one laser pointer and detachable housing unit. The laser pointer contains two AA batteries. Also included is a lens and mirror set for Part II.

EXPERIMENTS AND SET UP:

(see manual provided)

