

KIT FOR TESTS ON SURFACE WAVES IN LIQUIDS - ONDOSCOPE

Mod. F-OND-1/EV

DESCRIPTION

This equipment enables students to study surface waves in liquids.

The phenomenon of waves generated through a vibration generator, is showed on a semi-transparent projection-screen through a stroboscope. The stroboscope is placed at the top of the ondoscope, with a specific support.

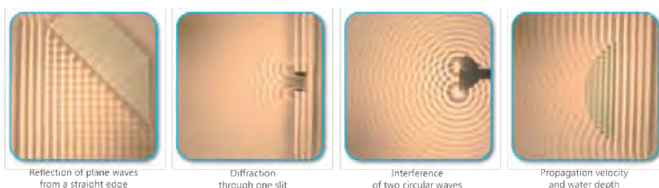
The vibration generator is located instead sideways to the tank.

There are three display possibilities:

- On the table
- On the front screen
- On a projection surface

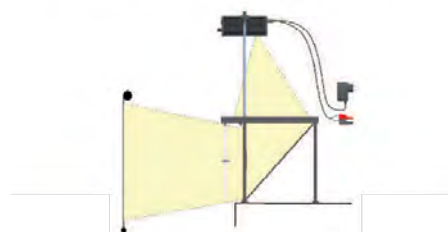
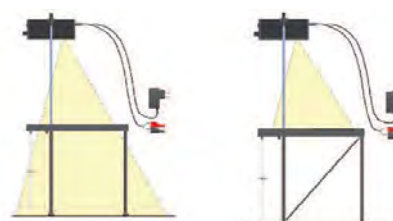
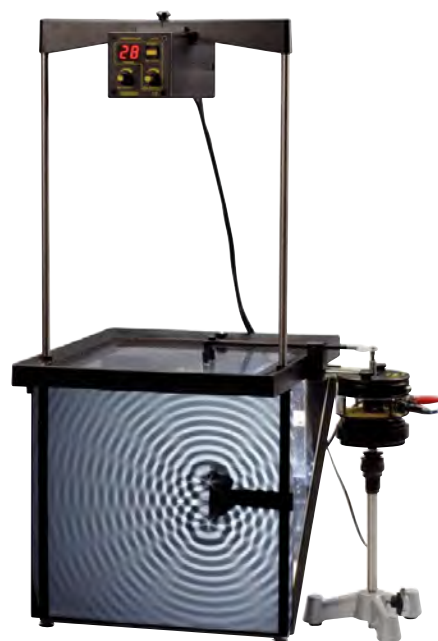
TRAINING PROGRAM

- Dependence of the wavelength of the vibration frequency
- Dependence of the propagation speed of the wave from the depth of the water
- Refraction of water waves
- Reflection of water waves
- Diffraction of water waves
- Wavefront on a flat, triangular, convex, concave plate
- Wavefront on a flat, concave, convex reflecting plate



TECHNICAL SPECIFICATIONS

- Stroboscope unit: metal housing with super bright LED and function generator with digital frequency display, stepless regulation of frequency and amplitude, mode switches between "freeze" and "slow forward"; supply voltage of 12 VDC / 1.5 A
- Power supply for stroboscope unit; 12V DC / 1500 mA
- Support frame for stroboscope unit
- Vibration generator: for generating mechanical vibrations in combination with a function generator
- Support rod for vibration generator
- Accessories for various experiments: baffle, gaps, different Plexiglass shapes (flat plate, double convex, plano-concave plate)
- Ondoscope tank



REQUIRED (NOT INCLUDED)

- FUNCTION GENERATOR mod. 5718

SUPPLIED WITH THEORETICAL - EXPERIMENTAL HANDBOOK

