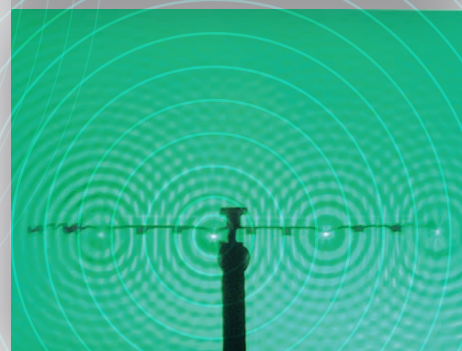
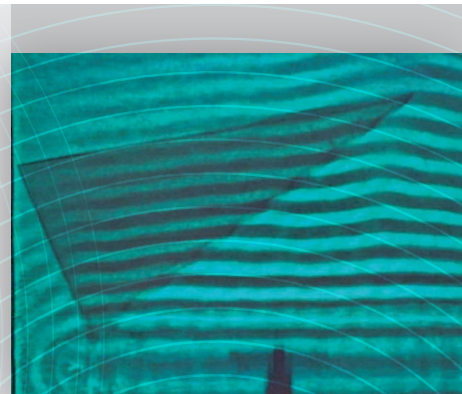
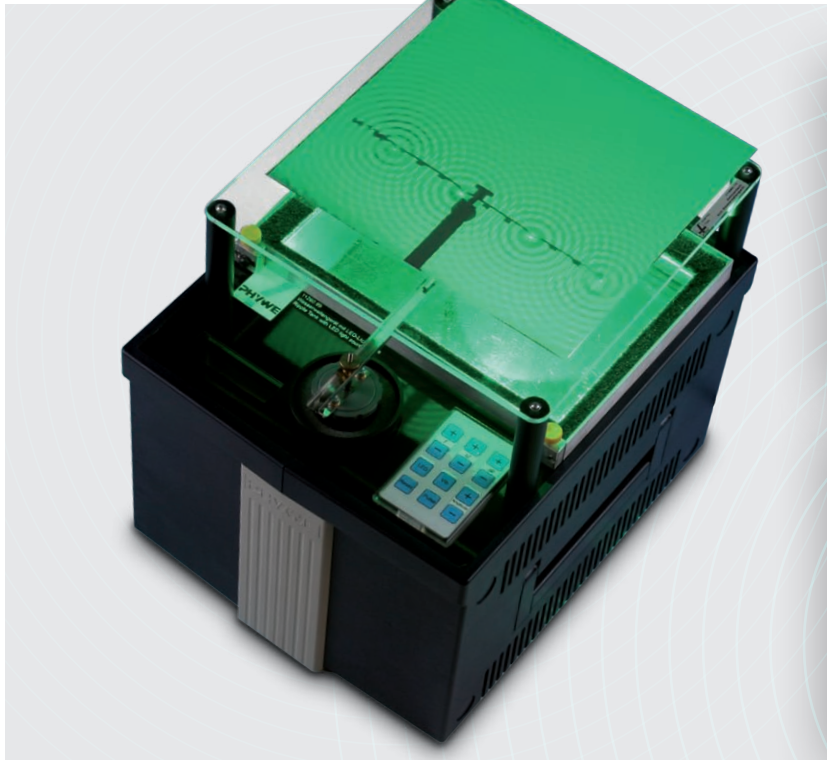


Experience wave phenomena with the Ripple Tank



Your experimentation equipment for the comprehension of the variegated wave phenomena

Mechanic and electromagnetic waves play an important role in the comprehension of natural scientific procedures. With the Ripple Tank you can analyze and make visibly clear the appearing wave phenomena. The frequency range with different amplitudes covers all frequencies needed for the demonstrations and experimentations both for secondary schools and universities.

Features

- Simple demonstration of wave phenomena
- Compact assembling
- Made for fast and efficient use
- High contrast, brilliant pictures

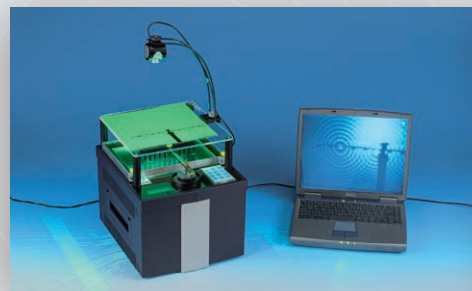
Visual presentation of wave, interference and coherence properties

The Ripple Tank is a comfortable and efficient compact equipment for lessons or experimentations, which gives you the possibility of a clear and nevertheless still quantitative access to the wave mechanic. The results of a demonstration can be shown via a web cam or as an alternative via beamer. Pupils and students can either simulate or work out by themselves e.g. the behavior of waves during a reflection in elastic or inelastic obstacles.

The following experiments can be analyzed:

- Reflection
- Dispersion
- Refraction
- Interference
- Diffraction
- Doppler Effect

The vibration generator, which is assembled in the housing, can be operated with different amplitudes in a frequency range of 5 – 60 Hz. Frequency and amplitude can be easily entered via the touchpad. Via stroboscopic illumination, which offers specially brilliant pictures thanks to the green high performance LED, the waves can be visually presented either synchronal or in slow motion. Furthermore the propagation of the waves after individual stimulation can be analyzed.



Products

Ripple Tank with LED light source

incl. universal power supply, accessory set, drawing table and ripple tank

Ripple Tank with LED light source – Complete Set

11260.99

Optional accessories

External vibration generator

Vibration-isolated ground plate, for the analysis of interference phenomena of "in phase" and "off phase" stimulation of waves for the demonstration of the Doppler Effect.

External vibration generator

11260.10

Demo Set for demonstration experiments

comprised high performance USB web cam incl. software and fixture

Demo Set for demonstration experiments

11260.20

Demo mirror

11260.30

Manual – Experiments with the Ripple Tank, 12 experiments, 78 pages DIN A4

16040.02

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