DM200003

LED Ripple tank

Simulation device to study phenomenon of wave propagation.

School level

Senior high school.

Technical features

Tank with projection mirror and viewing screen
Ripple generator with adjustable frequency (1-60 Hz) with analogical exit
LED strobe 3 W
Power supply: 12V / 1 Ah direct current
White screen: 400 x 330 mm
1 set of 3 exciters (simple wave, double wave, and plane wave)
1 set of 7 accessories (trapezoid, biconcave, biconvex, parallels faces)
Draining pipe - storage drawer – spirit level
Dimensions: 330 x 500 x 330 mm
Weight: 8,940 Kg
Packaging: individual box + thermoformed protective foam.

Product advantages

- **Ready for use product**: set up in 3 mn.
- **Easy storage**: removable drawer, LED strobe on magnets, transportation handles.
- **Amplified visibility:** LED lighting and large viewing screen.
- LED strobe with **synchronous and asynchronous** frequency.

Examples of experiments

- Generation of waves
- Huygens principle
- Reflection/refraction of waves
- Diffraction/superposition of waves
- Doppler’s effect

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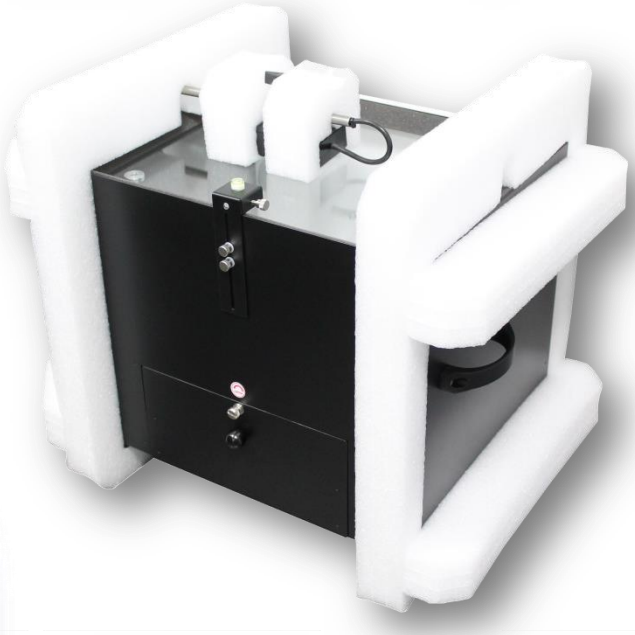
EXPERIMENTS

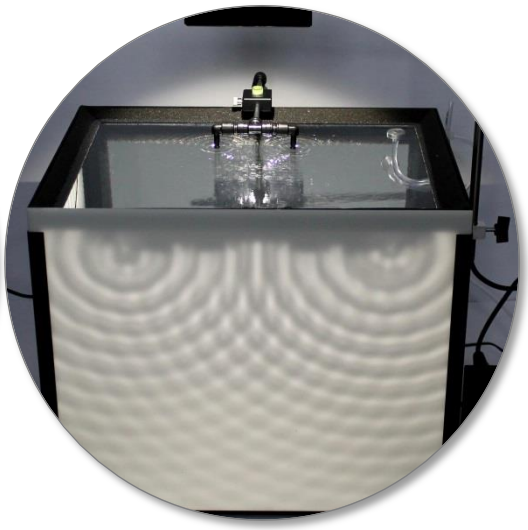
Protection packaging with thermoformed foams



Storage drawer for generator and accessories

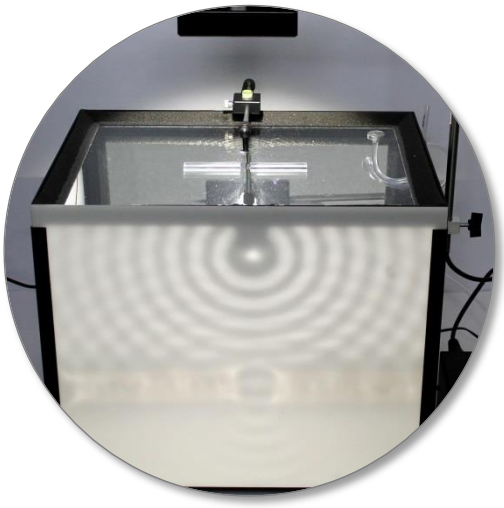
Captive screw, draining pipe and spirit level

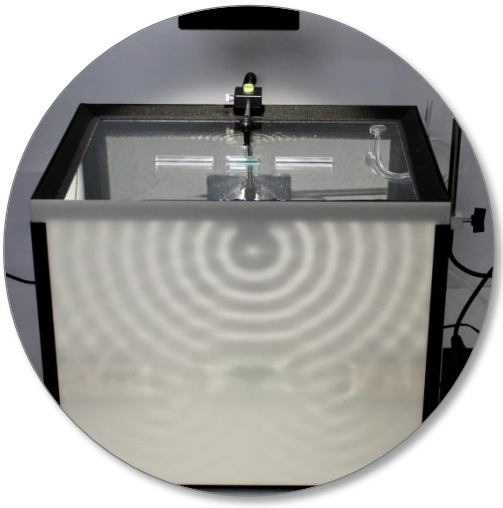
Simple, double and plane waves



Set of 3 exciters

Set of 7 obstacles





Experiments with obstacles