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3032 - Ripple tank
Order code: **5001.3032**



Cena bez DPH
Price with VAT

814,00 Eur
984,94 Eur

Parameters

Types of waves

Mechanické vlnění

Quantitative unit

ks

- Simple to assemble
- Easy of carry out the experiments
- Reliable and repeatable results
- Excellent visual resolution of the wave front

The stroboscopic lamp is fitted with an extra-bright 3W LED, which is synchronised with the surface-wave generator. The control unit is equipped with a digital display and allows to set or to stop the synchronism of the vibrator with the lamp, the modulation of wave amplitude and its frequency. The vibrator is electro-dynamic type. The tank is provided with two adjustable feet and with an easy-to-use drain pipe ending with a tap.

Dimensions:

Tank (overall): 30x30 cm

Projection Screen (overall): 30x30 cm

Ripple Generator

Ripple generator with power adapter.

Frequency: 0-50 Hz.

Switch on/off synchro LED.

Digital display.

Vibrator

The vibrator is electro-dynamic type.

White LED

3W, white LED light source with both strobe and steady modes.

Acrylic Lens

Acrylic lens, convex

Acrylic lens, concave

Acrylic trapezium

For experiments on refraction

Dippers

1. Single Dipper

2. Double Dipper

3. Dipper for parallel waves

Barriers

For experiments on diffraction, reflection and for measuring wavelength.

Convex Reflector

For extra experiments on reflection.

PRACTICABLE EXPERIMENTS

Some experiments that can be carried out:

- Superficial waves on water
- Wavefront
- Wavelength
- Propagation speed
- Reflection
- Refraction
- Interference
- Stationary waves
- Diffraction
- Huygens principle