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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