

# 3011 / 3012

## Gentle and quiet

Gentle and uniform rocking motion make this quiet unit stand out in every-day use. Both of these units are maintenance-free, carry the GS safety approval and come with the CE mark.



**3011** Analogue Orbital Rocking Motion Shaker with Non-slip Mat 3965

## Technical Data

Overall dimensions (W x D x H):  
510 x 625 x 168 mm

Moving platform: 450 x 450 mm

Load: max.15 kg

Shaking motion: three-dimensional orbital rocking

Timer:

3011 / up to 60 minutes, or continuous operation

3012 / 1 min. - 99:59 hours, or continuous operation

Shaking amplitude: 3 degrees

Shaking frequency: 2 - 50 rpm

Electrical connection: 230 V\*

\* Other voltages on request!

3011 / 50...60 Hz, 90 W

3012 / 50 or 60 Hz\*\*, 90 W

\*\* Please indicate when ordering!

Net/gross weight: 18/22 kg

Packing volume (cardboard box): 0.19 m<sup>3</sup>

■ **Order No. 3011**

■ **Order No. 3012**  
with RS 232 port

## Features

- ▶ compact, low-wear counterbalanced drive mechanism, ensuring dependability for continuous operation with three-dimensional motion
- ▶ housing made of high impact strength polystyrene, off-white varnish. The base plate is made of electrolytically galvanised, powder-coated sheet steel, the shaking platform of anodised aluminium, equipped with four plastic pins for secure attachment of accessory equipment
- ▶ an a.c. motor with overload protection drives the unit
- ▶ 3011 - clearly laid-out control panel for easy operation
- ▶ 3012 - speed and remaining time indicated by two LC displays

- ▶ 3011 - electronic speed control, stepless, gentle start-up
- ▶ 3012 - microprocessor-controlled, adjustable in steps of 0.5 rpm, gentle start-up
- ▶ constant speed during continuous operation, independent of load

## Applications

In AIDS research, for diagnostic tests with test plates, or for growing cell cultures and micro-organisms this unit has become indispensable.

Also well-suited for use in laboratories, incubation rooms and moderating rooms at ambient temperatures between +10 °C and +50 °C.

# Accessories



3011



3012



3013



3014



Order No. 3966

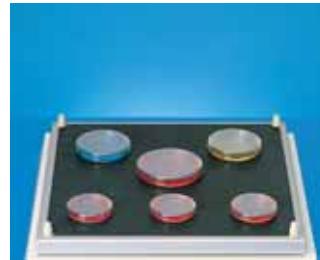
**Shaking tray**  
made of stainless steel, 450 x 450 mm, with holes to accommodate clamps for Erlenmeyer flasks and other accessory equipment



**Clamps**  
made of stainless steel for Erlenmeyer flasks, for screwing on to shaking tray 3966, complete with attachment materials

- Order No. 3983 for 25 ml flasks (79\*)
  - Order No. 3984 for 50 ml flasks (49\*)
  - Order No. 3985 for 100 ml flasks (36\*)
  - Order No. 3986 for 200 ml flasks (22\*)
  - Order No. 3987 for 250-300 ml flasks (16\*)
  - Order No. 3988 for 500 ml flasks (12\*)
  - Order No. 3989 for 1000 ml flasks ( 9\*)
  - Order No. 3990 for 2000 ml flasks ( 4\*)
- Other clamps on request

\* Max. number of clamps per shaking tray



Order No. 3965

**Non-slip mat**  
for the shaking platform, 420 x 420 mm size, for slow moving, e.g. nutrient solutions in Petri dishes



Order No. 3967

**Universal mount**  
for secure attachment of different shaking objects between the six rubber-coated bars



Order No. 3968

**Platform frame**  
with four levels, with top rims, three levels removable. Frame and trays made of stainless steel. Distance between trays - 60 mm. Grooved rubber mats on trays to ensure secure grip of objects.