

# 3015 / 3017

## ■ Universal and untiring

A silent operating and universally applicable Orbital Shaker that exhibits its untiring strength in particular for gentle motion and vigorous shaking of liquids. Both of these units are maintenance-free, carry the GS safety approval and come with the CE mark.

### Technical Data

Overall dimensions (W x D x H):  
510 x 625 x 142 mm

Moving platform: 450 x 450 mm

Load: max. 15 kg

Shaking motion: orbital

Timer:

3015 / up to 60 minutes, or continuous operation

3017 / 1 min. - 99:59 hours, or continuous operation

Shaking amplitude: 30 mm

Shaking frequency: 20 - 300 rpm

Electrical connection: 230 V\*

\* Other voltages on request!

3015 / 50...60 Hz, 65 W

3017 / 50 or 60 Hz\*\*, 65 W

\*\* Please indicate when ordering!

Net/gross weight: 18/22 kg

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

■ Order No. 3015

■ Order No. 3017  
with RS 232 port



### Features

- ▶ compact, low-wear counterbalanced drive mechanism, ensuring high stability and dependability for orbital shaking 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
- ▶ 3015 - clearly laid-out control panel for easy operation
- ▶ 3017 - speed and remaining time indicated by two LC displays
- ▶ 3015 - electronic speed control, stepless, gentle start-up
- ▶ 3017 - microprocessor-controlled, adjustable in steps of 1.0 rpm, gentle start-up
- ▶ constant speed during continuous operation, independent of load

### Applications

What counts when growing micro-organisms, cell and tissue cultures is a „reliable colleague“ - an indispensable ingredient for successful work in bio-chemistry, microbiology, biotechnology, bacteriology and virology.

Both of these units are particularly well-suited for use in laboratories, incubation rooms and moderating rooms in ambient temperatures between +10 °C and +50 °C.



**3015** Analogue Orbital Shaker with Tray 3966 and Clamps for Erlenmeyer flasks 3983 - 3990

# Accessories



3011



3012



3013



3014



Order No. 3966

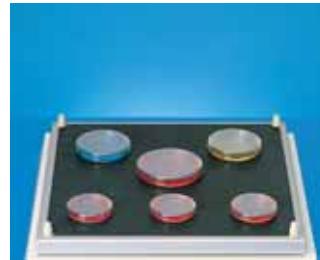
**Shaking tray**  
made of stainless steel, 450 x 450 mm, with holes to accommodate clamps for Erlenmeyer flasks and other accessory equipment



**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.