



## Robust and variable

Versatile, powerful and exceptionally quiet - those are the descriptive qualities of this robust Shaker with reciprocating (back-and-forth) motion. Use of this device is recommended for vigorous and intensive shaking of clamped lying flasks, mixing flasks or separating funnels in continuous operation. Both of these units are maintenance-free and carry the CE mark.



### Technical Data

Overall dimensions (W x D x H):  
510 x 625 x 145 mm

Moving platform: 450 x 450 mm

Load: max.15 kg

Shaking motion: reciprocating

Timer:

3016 / up to 60 minutes, or continuous operation

3018 / 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!

3016 / 50...60 Hz, 65 W

3018 / 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. 3016

■ Order No. 3018

with RS 232 port



### Features

- ▶ compact, low-wear counterbalanced drive mechanism, ensuring high stability and dependability for reciprocal 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
- ▶ 3016 - clearly laid-out control panel for easy operation  
3018 - speed and remaining time indicated by two LC displays

- ▶ 3016 - electronic speed control, stepless, gentle start-up  
3018 - microprocessor-controlled, adjustable in steps of 1.0 rpm, gentle start-up
- ▶ constant speed during continuous operation, independent of load

### Applications

The producers of suspensions and emulsions know this shaker well. The shaking platform's jerky back-and-forth motion creates high turbulence, thus thoroughly mixing the media. This is a vital prerequisite, for example, in medical diagnostics, or in foodstuffs or environmental analyses.

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

**3016** Analogue Back-and-forth Shaker with Tray 3966 and Test Tube Racks 3953