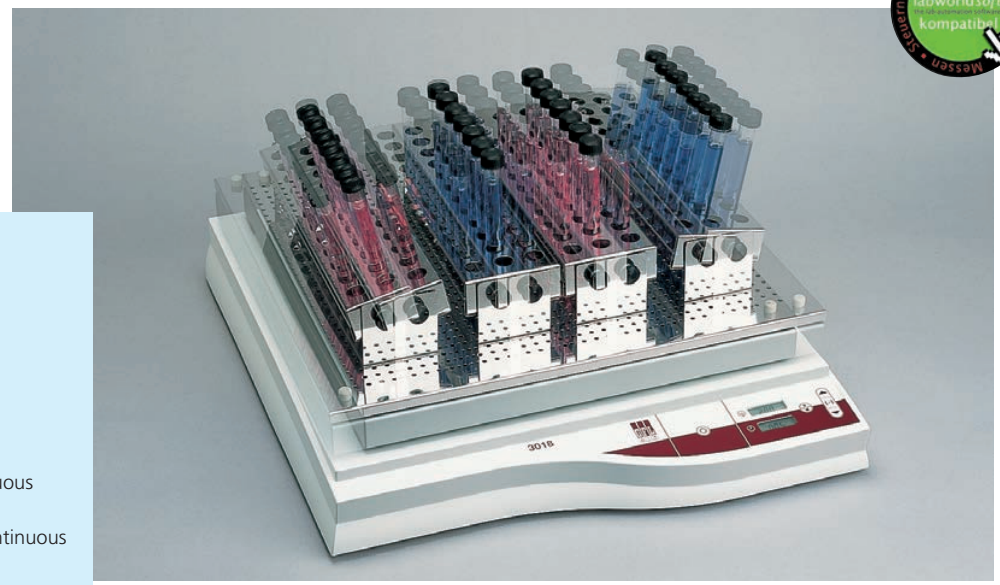
3016 / 3018

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 odering!

Net/gross weight: 18/22 kg

Packing volume (cardboard box): 0.19 m^3

Order No. 3016

Order No. 3018
with RS 232 port

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

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.